

TRIGONOMETRIÆ

*Flacii*

Modis computandi Triangulorum

*Latus & Angulus, ex Cæsaræ*

*Mathematico traditus & demonstratus.*

*Autore Christophoro Domino*

WILLELMO OUGHTRED

ÆTŌNENSI.

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*Ad usus Tabulæ Sinuum, Tangent. & Secant. etc.*

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LONDINI,

Typis R. & L. W. Leybourn, Impensis Thomæ Johnson, apud quem  
vaneunt sub signo Clavis Auræ in Cœmeterio  
S. Pauli, 1657.


*Epitaphium Christiani Ughtredi*  
Guillelmi Ughtredi.

Quis aves stupidis percurrere Victor amoenis  
Æthereasque plagas, æquoreaſque vias:  
Hic fati memorem: ſit & hæc tibi multa ſupellex,  
Summe Phætre rigenti ſpicula lecta Senis.  
Non peccaturi ſollicet vulneris æcum  
Stetit Etæneſis gloria rara toga.  
Tale ſui Cephælo jaculum dōharat Erechthis,  
Nec poſuit metam non tetigisse ſemel.  
Geſſerat his ſimiles ſatus Amphitryone ſagittas,  
Semper & everſa Victor ab urbe redit.  
Quæ tibi legaras Pæantum oculis heros,  
In cineres demum Troja ſuperba ruit.  
Unque leves Chordæ nullò ſtudio minantur,  
Sydera nunc, & nunc Tartara nigra petunt.  
Non fugit hos ictus longè jaculator Apollo  
Nec miſidos jactus ſela triſulca Jovis.  
Pallentes Lunæ bigas ſinxere Poetæ  
Carminibus Cœlo deripuisse magos.  
Artibus his chartam Cœlum tranſfertur in iſtam,  
Veſtraque ſed tæpæ Cynthia viſit humum.  
Fata regunt colamas: & ſiccâ culſpide prædas  
Ingeni nulla cæde madentis amant.  
Terreſtes alias expertis tendere taxos  
Angligenis, credo, nomen honoſque fuit.  
Hic etiam Gallos ut quondam vincimus arcu:  
Ughtrædus Nigri Principis inſtar habet.  
Non alius poterat meruisse ſagittifer aſtrum  
Pulchrius, aut Cælo dignior æcus erat.

*Chriſtophorus VVaſi.*



Dignissimo Viri & Literarum  
Literatorumque amantissimo  
WILLELMO BACKHOUSE  
de Smaltonfield, in agro Bericensi  
Armigero, S. P.

 Vm inscriptiones Librorum iis potissimum  
fieri par sit qui aut ipsi bonas literas co-  
luerint, aut saltem earum cultoribus aliis  
modis non desuerint: cui potius quam tibi, Vir Dignif-  
sime, hac Cl. Oughtredi monumentum dicatum ve-  
lim cui utroq; nomine quantum debeatur, & ipse facile  
sentio, & hinc praedicatione mea non egere arbitror, ut  
cæteris innotescat. Verum ut parcat aures tuis il-  
laeque mittam enumerare, quibus, non de Mathematicis  
solum, sed & de cæteris disciplinis meruisti, peculiari  
quodam jure te Patronum adscribit Cl. Oughtredi  
Trigonometria, utpote quæ sub auspiciis tuis Cl. Au-  
tori meis precibus extorta pene, & in lucem emissa  
sit.

Quam cum literis à patre tuo nomine scriptis Can-  
adrigensi Academia evocatus, filio tuo summe spei  
juveni Albariam ad Clar. Senem eorum proficere exil-  
licque sub illius præfidio Mathematicis disciplinis o-  
peram darem (quod diu nobi summopere provisum fu-  
isset) inter cetera quæ nobis prælegebat & quorum  
(quæ illius est humanitas) ex sedibus suis copiam fecit,  
Trigonometria hæc non infimum locum sibi vindicare  
videbatur, opus tanti nominis Autore dignum, nec  
minus tum demonstrationum acumine, tum perspicuâ  
regularum brevitate nullis non in eo genere scriptis,  
ad hunc usque diem editis, præferendam. Nactum me  
hic occasionem ratus, quâ & publico prodesse & ad a-  
lia illius monumenta posteris transmittenda viam  
struere possem, cepi cum illo agere, ut publici juris  
fieri permitteret. Non defuerunt mihi in hac petitione  
Dominus Arthurus Haughton (qui &  
communem mecum edendi curam in se suscepit) & Do-

minas Guillelmus Lloyd qui eodem tempore  
Cl. Viro in iis studiis doctore una mecum utebantur;  
quin licet omnes ab eo editionem vehementer contende-  
bamus, diu fuit cum impartantate nostrâ illius mode-  
stia victa est, victa tamen feliciter, & mihi edendi po-  
testas facta. Cum autem Trigonometrica hæc  
in privatum tantum usum scripta fuissent, non eo ani-  
mo ut latius dimanarent, placuit Reverendo Autori  
priusquam typis madarentur, alia expungi, immutari:  
alia, addere etiâ nonnulla, aut methodo lucidior expom-  
ere. Ultimâ demum manu adhibita Londinum me contuli,  
anno ferme abhinc, fere sperans, ut quam primû in lu-  
cem prodiret, ignarus scilicet cujusmodi cum hominibus  
mihi res esset futura, quid attinet hic enumerare quas  
moras, quæ impedimêta huic editioni attulerint & Ty-  
pographorum frequens cessatio (ut taceam quantum  
temporis præterlapsum sit priusquam serio opus aggre-  
derentur) & negotiorum meorum necessitas, quæ me  
diutina expectatione lassum quandoque à prælo advoca-  
vit?

A

Pro-

*Prodit tandem Ornatissime Backhouse  
sub cuiusque nominis auspiciis prorumpit in lucem, simul-  
que animi mei beneficiorum tuorum non penitus obli-  
testimonium in publicum trahit: imparem certè meri-  
tis gratiam refero, verum non omnino ingratus videri  
videor, si gratiam quam referre non potero, velim re-  
ferre, potuissem, nec aliter inscriptionem hanc acceptam  
iri confido, id enim & solitus tuus candor, & animus  
in me is quem semper esse volui, promittunt. Sed ut  
merita in me tua fuissent nulla, tibi certe hanc Tri-  
gonometriam ut inscriberem faceret vetus  
tua cum Reverendo Autore consuetudo, quæ  
cum tot annorum sit, effecit ut non necesse babeam vel  
de illo, vel de opere multum dicere, cum nemo sit qui  
Oughtredum nesciat, nisi qui & Mathe-  
maticam nescire fateatur. Non igitur te morabor  
diutius Vir Digniss. Elogiis vel tuis, vel Ough-  
tredi vel hujusce operis, Te enim si pro meritis lau-  
dare conarer, vereor ne cui potius adulari videri pos-  
sem;*

sem; si illum, non me latet quam molestus essem antonio  
ab omni gloria cupiditate alieno: quod ad Librum au-  
tem, non ex eorum numero reputo, qui in Epistolis  
laudandi sunt, ut hoc saltem modo Bibliopola sit con-  
sultum. Caterum boni consulas hoc quicquid est gra-  
titudinis meae, diuque tibi & Reipub. literariae vivas,  
valeas, ita precatur

Devinctissimus

Richardus Stokesius.

A 2

GUIL.

GUIL. UGHTREDO Aetonenſi  
nato inſtituto,

Mathematicis reſtitutis:  
Analyticis introductis,  
ad culmen perductis,

Hanc Oden ; *maximas in* accinuit

*Aetonenſis.*

Pietas imò  
Pectore ſerpsit;  
Meditor lætus  
Nobile *campus*,  
Memor *Henrich*,  
Memor *Aetona*  
Memor *Ughtredi*,  
Fibris tactis,  
Viſcera moò  
Sento dulces  
Ire ſub altò  
Corde tumultus;  
Et non leni  
Saucior æſtro.

Quicunque ſerit  
Patriæ laudem  
Poſitis longè  
Clarus in oris,  
Dum vivit adhuc,  
Et magis omne

Clarus in ævum;  
Puer ingentes  
Occupat auſus  
Mulas inter  
Natus & artes  
Venerande ſenex!  
Quod mihi cœlum  
Tener hauſiſti?  
Dic, qua tantos  
Regio fecit  
Imbuit ortus  
Crepit indigenam  
Jactat alumnum  
Reſonans longè  
Vallis Aquædon.  
Credite! cunas  
Cerno rogatas.  
Vaguit illic  
Liniger infans,  
Hoc decus ævi

Quod *Belga* ſtupet;  
Cui conſulto  
*Gallia* plauſit;  
Quod mirata eſt  
*Italica* ora;  
*Thameſis* ripam  
Crevit ad iſtam  
Et nova Tiro  
Pilea geſtans  
Ad natales  
Reſſit *Athenas*.

Non magis almus  
Angulus alter  
Ovat ornatz  
Flore juventæ.

Juvenis clarus  
Meruit palmas  
Clauſibus omnes:  
Hinc ille ſtyli

Rigor



Rigor induratus  
Quem non grauis  
Finxerit incus,  
Nec durities  
Nulla remouet.

Sic uoca Tagi  
Quod modo ferrum  
Genuit, nostros  
Durat in usus,  
Hinc emicuit  
Lepor ille tener  
Cum iuuenilis  
Pectora fervor  
Quateret thyrsos.  
*Graca, Latina*  
Carmina fudit:  
Numeros dictis  
Addidit aptos  
Guttur leui,  
Bene percussas  
Blandus in auras  
Liquida uates  
Ora resoluit.

Velut oculo  
Creuerat / xvo  
Regia quando  
Templa subiret  
Decima (sanctum)  
Sorte vocatus.

Majora parat  
Vigor atatis,  
Laxaeque togae  
Libera claustra  
Stimulans mentem,  
Cupidus pulchras  
Adhibere artes.

Numeros numero  
Metas metus  
Numeris metas  
Et metarum  
Varios nodos  
Facili ludo  
Nectere sollers  
Idem sollers  
Solvere nexos,  
Ordine scriptas  
Peragrat terras:  
Nunquam visum  
Navigat aequor:  
Super *Aethiops*  
Vectus & Indos,  
Ignea pulsar  
Moenia mundi.

Aere minutum  
Sternit Olympum,  
Sessilis haeret  
Lamina postis.  
Nec tamen axes  
Rigor obsedit,  
Operosa quies  
Vice solari  
Peragit cursus,  
Alios caelos  
Hora subinde  
Proxima monstrat.  
Credo, *Bornus*  
Sanxerat augur  
Stantibus umbris  
Aera moveri.  
Mens artificis  
Metata viam  
Praeparat Horas.

Mens, & Armi  
Tempora surgunt.  
Secula constant.  
Veluti fastos  
Cudit ahenos.  
Si tam certus  
Dubium solis  
Tenuisset iter  
*Clymenes* natus  
Fulminis expert  
Auriga Poli  
Rexerat annum;  
Iuuenis magnis  
Excidit oris:  
Ipse probatur  
Sole creatus.  
Palmare tenet  
Machina coeluta:  
Lapsibus umbrae  
Scribitur annus.

Nil tale docet  
Barbara *Memphis*:  
*Babylon* cedat,  
Stupeantque Magi,  
Nihil immensum  
Continet aether  
Notus & ipse.

Hic simul ultra  
Nititur audax  
Nil naturae  
Claustra moratus  
Vacuum fixo  
Pede metitur,  
Et Inane capax.  
Traxerat error  
Vagus *Aediles*.

Amphora



Amphora fallax,  
Et inaequales  
Pauere cadi  
Male constantes  
Ventre toroso  
Poscere *Bacchi*,  
Vel depositos  
Reddere succos.  
Non hunc latuit  
Quocunque motto  
Deformata  
Species *Iphera*.  
Prodit acutus  
Crimina legis  
Bene tornatos  
Sequitur gyros  
Verósque sagax  
Eruit axes.

Dolia pandis  
Lubrica costis  
Haustus *Bromii*  
Sitiunt iustos.  
Era Telones  
Debita poscit.  
Sua Mercator  
Vina reponit.  
Solusque meri  
Caupo malignus  
Pocula fraudat.

Cur ego tardus  
Cetera miror?  
Pondere certo  
Rapti, ducti,  
Librare docet  
Momenta soni.  
Suspensa regit

Linguis cautes  
Vulnere iusto  
Figitur aer  
Inque bilancem  
Jacet equalem  
Tempus, Et Auras.  
Tenuit ocelos

Tenuit terras  
Se tamen ipsam  
Non tenuit mentis.  
De fonte velut  
Lapla perenni  
Flumina sylvas,  
Montes, valles,  
Loca culta rigant,  
Inculca simul.  
Pectore dives  
Munera nullo  
Limite spargit.  
Tam mihi largus,  
Quam sapientes  
Nomine claros  
Artibus algens.  
Bonis ipse patet  
Omnibus idem.  
Reliquis prodest  
Sibi tranquillius  
Sinerivali,  
Nec se *Phabo*  
Comparat astrum.  
Aveo magni  
Decussis *gherodi*.  
Non morituro  
Longe, late,  
Spargere versu.  
Quod summas tenet

Caret invidia.  
Medio colli  
Leve certatim  
Vulgus inheret  
Sarcipiti miscens  
Omnia rauco.  
Vatem vates,  
Fabrumque faber  
Sordidus urget.  
Juvat obnixam  
Cernere turbam  
Manibusque manus  
Pedibusque pedes  
Trudere, trudi,  
Nec magis ulli  
Gloria cordi est  
Superasse jugum:  
Quam si socium  
Semicaducum  
Male suspensus  
Victor ad imas  
Adigat valles:  
Mitior illis  
Ipse benignam  
Montis ab alto  
Vertice dextram  
Pone sequutis  
Commodus offert.  
Terminus multi  
Limen amatum,  
Hilares vultus  
Non sine comi  
Voce tuemur.  
Diligit omnes  
Eadem secum  
Sakra sequutos,

Magis

Magis *Aeneas*  
Populare genus  
Prope fraternis  
Implicat ulnis.

Cernit ab astris  
Et nova cœlo  
Gaudia sentit  
Pius *Henricus*,  
Si modo sancti  
Videant terras,  
Lumine cassi,  
Si nova carpant  
Gaudia læti.

Rude donandus  
Tenet arma senex.  
Sylus emeritus,  
Pidusque Canon;  
Et venit unâ  
Circinus aptus  
Variis orbem  
Cingere gyris.  
Vidi, vidi  
Tractare manu  
Tela senili  
Chordas, Archus,  
Atque sagittas:  
Stupui viso  
Tremulam dextram  
Tantum mentis  
Robore fultam  
Nunc sublimes  
Radio ducto  
Tangere cœlos:  
Nunc depressos  
Catheto lapsa

Pellere manes:  
Quocunque rotat  
Triquetrum nervum  
Non periturum  
Missile torquet,  
Sive per auras  
Ruat ætherias  
Vexare certo:  
Seu magis opæ  
Vetitos muros  
Et non tactas  
Scandere turres.  
O ego tali  
Cum duce longos  
Nocte dieque  
Sequat errores!  
Æquoris undas  
Secet immanes:  
Æquoris undis  
Comes illabar,  
Sive profundo  
Nitidos canos  
Condat *Olympo*:  
Comes immensis,  
Inferar astris.

At securum  
Pars bona mundi  
Peragunt ævum,  
Prædent, cernant,  
Quærere mittunt  
Quales *Titan*  
Maculas spargat,  
Tradunt luavi  
Corpora somno  
Nil solliciti  
Si falsifero

Aufusa tunc  
Flamma fabaræ  
More dicitur:  
Sive Tonantem  
Medicæ cohors  
Trius, quaterna  
Non *hæterio*  
Ordine stipet,  
Seu diducat  
Bifidos ignes  
Cornuta Venus  
Æmula lunæ,  
Scilicet horrent  
Teneros artus  
Vespertino  
Lædere *Cæuro*:  
Atque pruinas  
Inter acutas,  
Speculo longo,  
Sub Jove fixi  
Forte supinas  
Frigore duro  
Stringere nares.

Opifer terris  
Et sibi sælix  
Otia curis  
Destinat altis  
Pius *Ughredus*  
Gregis humani  
Cupidas aures  
Alit æternæ  
Dape doctrinæ.  
De dente lupi  
Sibi commissos  
Eripit agnos.

Sim.

Simplex vero  
Pectora munit:  
Latitatque senex  
Sapiens, comis,  
Vix oblcuro  
Tutus in agro.  
Quid mihi prodest  
Schola regnatrix  
Si neque *G. R. A. J. A. S.*  
Moliar artes,  
Nec compra forti

Verba Latini  
Nas forte mea  
Contentus agam  
Satur caiguia  
Adversa pati  
Fortis, & audax  
Male quassum  
Temere lucrum?  
Cruda senectus  
Ora rubore  
Tincta bis octo

Lustris fatigat,  
Propior notos  
Inspicit axes,  
Velutique novum  
Sidera fidus.  
Spirat caelos  
Languet, anhelat  
Totumque capi  
Flagrat ab illis  
Quos capit orbis.

C. 17.




D E  
**TRIANGULORUM**  
*MENSURATIONE.*

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CAP. I.

*Prænoscentia quedam pro calculo Triangulorum utriusque generis.*

I.  Riangulum planum intelligitur contineri sub tribus rectis lineis: Et Triangulum Sphaericum sub tribus arcibus sive periferiis maximorum circularum. Nam sicut in plano brevissimum spacium inter duo puncta, est linea recta. Sic in Sphaerâ brevissimum inter duo puncta spacium, est arcus circuli maximi.

B

I I. Tri-

II. Triangulum rectangulum notatur literis  $ABC$ , ut  $A$  semper sit Angulus Rectus,  $BA$  Basis,  $CA$  Catherus,  $BC$  Hypotenusa:  $B$  angulus ad Basem,  $C$  angulus ad Cathetum. Triangulum verò Obliquangulum notetur literis  $BCD$ , ut Catheter ex  $C$  ducta, in bina Triangula, communem Cathetum  $CA$  habentia, dispescatur: Et tunc latus  $BD$  erit vera Basis, cujus duo casus sunt  $BA$  &  $DA$  bases particulares: & latera  $BC$  &  $DC$  erunt Hypotenusæ.

III. In omni Triangulo, majus latus subtenet majorem angulum. Et contra. Et quo angulus quisque major est, eo minoribus cruribus includitur.

IV. In omni Triangulo plano, datis duobus angulis, datur tertius: Et dato uno angulo, datur summa reliquorum: Nam omnes tres anguli simul, æquantur duobus rectis, scil. *gr.* 180. At in Triangulo Sphærico, tres anguli interiores simul excedunt duos rectos: quod suo loco demonstrabitur.

V. In Triangulo plano rectangulo, acutorum alter, est alterius complementum, at in triangulo rectangulo Sphærico acutorum alter, major est complemento alterius. Sequitur enim ex præcedente.

Complementum quidem arcus dicitur de arcu minore gradibus 90; nempe 90 — arc. estque idcirco affirmativus. Excessus vero arcus dicitur de arcu majore gradibus 90; quare si tollatur ex 90, differentia sive excessus erit negativus, cum signo — præfixo: Ut arcus 52, complementum est 38; at arcus 128 excessus est — 38 negativus. Complementum autem arcus ad Semicirculum dicitur conjunctus & significatur nota °: ut 52° est 128. Et nota, quod magnitudinis negativæ additio







Et similiter per § 9

quoad fecantes

$$\left. \begin{array}{l} \\ \end{array} \right\} s \text{ arc } A . R :: R , \text{ se co } A .$$

XII. Ut Radius, est ad sinum dimidii arcus; sic sinus dimidii arcus duplicatus est ad sinum versum arcus totius.

$$R . s \frac{1}{2} \text{ arc} :: 2 s \frac{1}{2} \text{ arc} . s \text{ arc} = \frac{2 Q : s \frac{1}{2} \text{ arc.}}{R} .$$

Nam,

$$CA . AF :: AD . AG .$$

XIII. Ut Radius, est ad sinum arcus; sic tangens dimidii arcus, est ad sinum versum arcus totius.

$$R . s \text{ arc} :: t \frac{1}{2} \text{ arc} . s \text{ arc} = \frac{s \text{ arc} \times t \frac{1}{2} \text{ arc.}}{R} .$$

Nam,

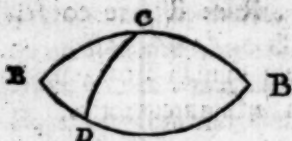
$$CA . AH :: DG . AG .$$

$$\text{Consect. } 2 Q s \frac{1}{2} \text{ arc} = s \text{ arc} \times R = s \text{ arc} \times t \frac{1}{2} \text{ arc.}$$

XIV. Si Triangulum Sphæricum propositum, duo latera figillatim quadrante majora habeat: latus minimum, cum angulo minimo ipsi opposito retinebis: pro duobus autem majoribus tum lateribus, tum angulis, capies complementa sua ad semicirculum, sive arcus conjunctos.

XV. Si opus sit Triangulum Sphæricum propositum convertere in aliud Triangulum Sphæricum, cujus latera æquantur angulis trianguli propositi; & anguli lateribus: pro maximo angulo trianguli propositi, & latere maximo ipse opposito, capies complementa sua ad Semicirculum, reliqua autem duo latera, duosque minores angulos ipsis oppositos, retinebis.

Maximus



Maximus autem angulus notetur B, cujus ad Semicirculum complementum sit B', & sic erunt DC' pro B'; BD pro C; & BC pro D.

XVI. In Logarithmis Index Radii est 10, cujus duplum 20, est Logarithmus quadrati Radii.

Adjeci hic tria Schemata notata literis A B C, quæ breviter continent, tum principia projectionis Sphæræ in plano: tum multa valdè necessaria ad delineationem, & intelligentiam diagrammatum quæ in Demonstrationibus Sphæricis adhibentur.

Sciendum autem est quod Symbolum  $\nabla$  significat æquivalere in numero graduum: ut si scribatur recta D  $\nabla$  arcui E, idem est ac si dicatur, rectam D numero graduum æquivalere arcui E; hoc est utrumque totidem gradus continere.

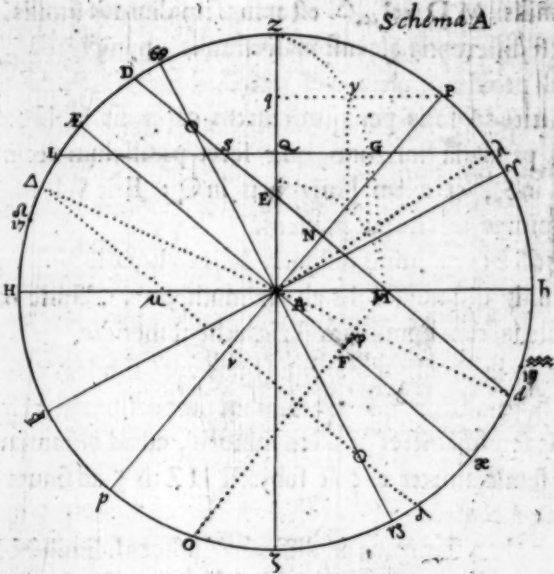
Item quod arcum similem dico, in minore circulo numeratum.

#### XVII. In Schemate A.

1 Circulus H  $\odot$  h  $\omega$  est Colurus Solstitionum, atque Meridianus. Centrum A punctum est Orientis vel Occidentis.

2 H A h est Horizon, cujus Axis Z A  $\zeta$  est etiam Azimuth per Ort. & Occas. sive  $90^\circ$ .  $\text{Æ A } \text{æ}$  est Æquinoctialis, cujus axis P A p est etiam Horarius VI $^\circ$ .  $\odot$  A  $\omega$  est Ellipticus, cujus axis  $\gamma$  A  $\triangle$  est etiam circulus per  $\gamma$  &  $\triangle$ . HP est elevatio Poli, cujus complementum H  $\text{Æ}$ , est altitudo Æquinoctialis.

3. Supponatur locus Solis in  $\alpha$  17, cujus distantia a  $\odot$  est gr. 47, vel in  $\omega$  17, cujus distantia a  $\odot$  est gr. 47. Quæ in limbo facile invenitur per punctum cardinale  $\gamma$   $\odot$   $\omega$  proximè præcedens.



4 *A loco Solis in limbo sic invento, cape distantiam proximam ab axe Eclipticæ  $\vee A^{\odot}$ ; ipsique æqualem in Ecliptica metire  $A^{\odot}$  in semidiametro  $A^{\oplus}$ , pro æstate; vel in  $A^{\vee}$  pro hyeme, & per punctum  $\odot$  duc lineam Equinoctiali paralellam*  
*Da vel*

D d vel  $\Delta$ . Erit hic parallelus solis pro toto illo die.

5 Hinc patet quòd sol illo die oritur, vel occidit, in puncto M vel  $\mu$ ; et culminat meridie in puncto D vel  $\Delta$ : et pervenit ad horarium VI. in N, et ad Azimuth 90 m. in E. Quare AM vel  $A_{\mu}$ , est sinus amplitud. ortivæ. N $\odot$  est recta Ascensio solis similis. MD vel  $\mu\Delta$  est arcus semidiurnus similis. MN vel  $\mu\gamma$  est differentia ascensionalis similis, numeranda a puncto cardinali proximo, ultra, vel retro.

6 Altitudo solis per quadrantem capta sit HL, ducatur LQ $\lambda$  parallela horizonti, quæ secet parallelum declinationis DN d in S, et axem horizontis in Q: Erit S locus solis in Analemate ad tempus præsens.

Quare S N erit similis distantia solis ab horario VI°. Et S Q erit similis distantia solis ab azimuth 90°. Unde habeatur in parallelis, tum hora, tum Azimuth, à meridie.

7 Arcus in circulis minoribus (quos voco similes) transferendi sunt in parallelum suum maximum proportionaliter, hoc modo. Ut semidiameter paralleli minoris, est ad distantiam similem sic semidiameter circuli subjecti HZ h z ad sinum distantiae veræ à centro.

Exemplum sumemus de differentiâ adscens. simili NM (qua operationis formæ reliquæ similes distantiae respectivè ad veros sinus reducuntur.) Ad finem paralleli NM d, ducatur semidiameter A d. Et intra triangulum AN d ducatur ex M linea M $\phi$  parallela basi AN Eritque Nd. NM :: A d. A $\phi$  = A F, sinus differentiae adscensionalis, qua arcus semidiurnus major est vel minor quam horæ sex.

8 Atq; hinc in Analemate satis liquet, tum partitio semidiametri

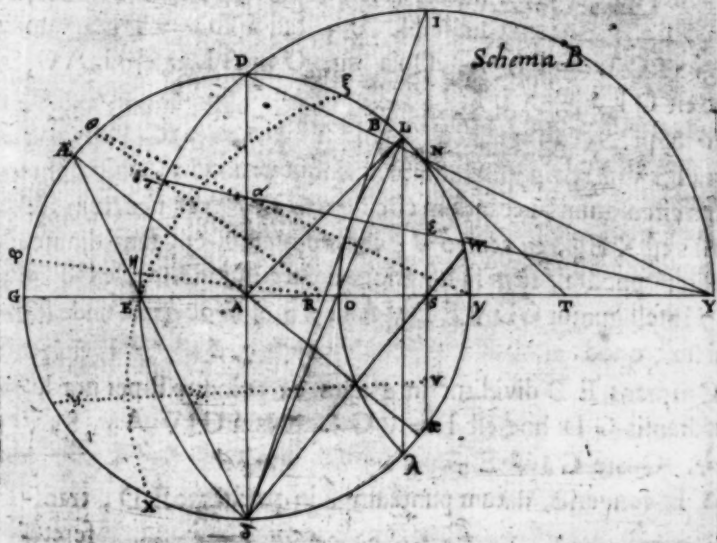
midiametri in gradus, perreſſas axi ſuo parallelas ex gradibus  
limbi demiffas, qui ſinus ſunt. Et fic  $AN \sqrt{AE D}$ , &  $AQ$   
 $\sqrt{H L}$ .

¶ Tum descriptio Ellipsis ex puncto M signato, in data ratione diametri transversæ A h, ad secundam A M, sic.

Ah . AM :: Qλ . QG :: qP . qγ. Eritque Ellipsis lineae curva æquabili manu per puncta Zγ GM ducta.

**XVIII. In Schemate B.**

1 Linea mensurarum sit  $G A \gamma$ , in cuius polo  $A$  cogitur oculus esse situs.



2 Circum maximus describendus  $\text{AE} \text{A} \alpha$ , cujus obliquitas est  $\text{G} \text{AE}$ .

Ducatur linea  $\delta \text{E} \text{AE}$ , erit  $\text{E}$  locus ejus in linea mensurarum, &  $\text{G} \text{E} \bar{\vee} \text{G} \text{AE}$ , &  $\text{A} \text{E} \bar{\vee} \text{D} \text{AE}$ . Quare,

3 Semidiameter dividitur per tangentes semigraduum. Sic etiam  $\text{S} \bar{\vee} \text{E} \tau$ .

4 Descriptio circuli  $\text{AE} \text{A} \alpha$  sic est, à polo lineæ mensurarum  $\text{D}$ , fiat  $\text{D} \text{B} = \text{G} \text{AE} = \text{B} \text{W}$ , & ducantur binæ rectæ  $\delta \text{R} \text{B}$ ,  $\delta \text{S} \text{W}$ , e. it  $\text{R}$  polus circuli  $\delta \text{E} \text{D} \text{Y}$ , &  $\text{S}$  centrum ejus, Radius  $\text{S} \text{E} = \text{S} \delta$ : nam ang.  $\text{S} \text{E} \delta = \text{S} \delta \text{E}$ , Quia ang.  $\text{E} = \text{A} \text{AE} \text{E} + \text{AE} \text{A} \text{E}$ , hoc est  $\text{A} \delta \text{E} + \text{A} \delta \text{S}$ , nam arc  $\text{D} \text{W} = 2 \text{G} \text{AE}$ .

5 Descriptio paralleli  $\text{L} \lambda$  cujus polus est  $\gamma$ . Ducatur Radius  $\text{A} \text{L}$ , ipsique perpendicularis  $\text{L} \text{T}$  (quæ tangit circulum in  $\text{L}$ , Dico  $\text{T}$  esse centrum paralleli  $\text{L} \text{O} \lambda$ , Radius  $\text{T} \text{O} = \text{T} \text{L}$ . Nam ang.  $\text{T} \text{O} \text{L} = \text{T} \text{L} \text{O}$ , Quia ang.  $\text{O} = \text{A} \text{L} \text{O} + \text{L} \text{A} \text{O}$ , hoc est  $\text{O} \text{L} \lambda + \lambda \text{L} \text{T}$ .

6 Si per  $\text{S}$  centrum circuli  $\delta \text{E} \text{D} \text{Y}$  ad angulos rectos ducatur linea  $\text{I} \text{S} \text{V}$ , erunt in ipsa infinitè utrinque protracta, centra omnium circulorum bisecantium circulum  $\text{G} \text{D} \gamma \delta$  per punctum  $\text{E}$ : qualis est  $\text{X} \text{E} \xi$ , ex centro  $\text{V}$ , cujus puncta  $\text{X}$  et  $\xi$  sunt diametraliter opposita, sicut in horariorum descriptione.

7 Intelliguntur  $\text{G} \text{D} \bar{\vee} \text{E} \text{D} \bar{\vee} \text{A} \text{D} \bar{\vee} \text{S} \text{N} \bar{\vee} 90$  grad. unde sequitur, quod.

Quadrans  $\text{E} \text{D}$  dividitur in gradus ex polo suo  $\text{R}$  per gradus quadrantis  $\text{G} \text{D}$  hoc est  $\text{E} \tau \bar{\vee} \text{G} \theta$ . Nam  $\text{G} \theta \bar{\vee} \text{A} \alpha \bar{\vee} \text{S} \bar{\vee} \text{B} \tau$ . Quare  $\text{G} \theta \bar{\vee} \text{E} \tau$ .

& Et conversè, datum punctum  $\tau$  in quadrante  $\text{E} \text{D}$ , transferetur



feretur in limbum, ducendo rectam  $R\tau$  ex polo suo  $R$ . Quare si in eodem circulo  $DE\delta$ , detur aliud punctum  $\eta$  ducaturque per ipsum recta  $R\eta\phi$ : Erit arcus  $\phi\delta$  mensura spatii inter  $\tau$  &  $\eta$ .

XIX. In Schemate C.

1 Triangulum  $DBC$  est sphaericum, & triangulum  $DBQ$  est ellipticum, & utrumque idem denotat, quamvis diversa projecturâ. Suntque angularia ipsorum puncta  $C$  &  $Q$  in eodem Radio  $ACQM$ .

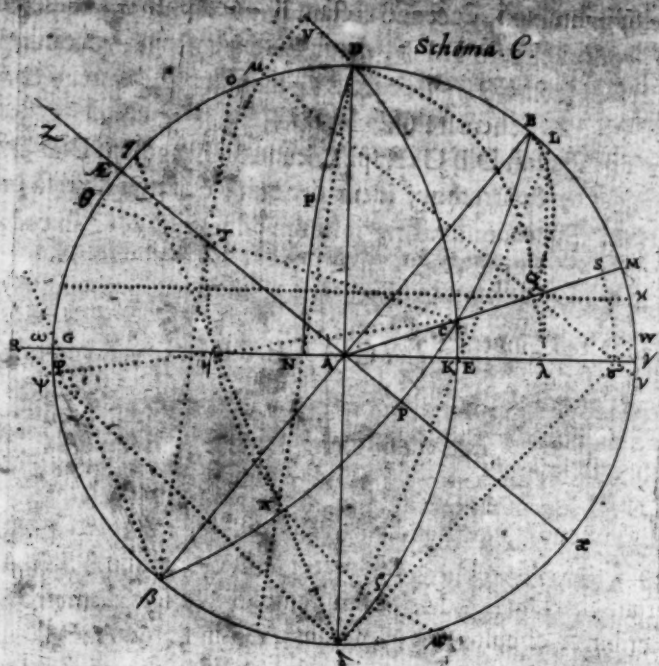
2 Dato  $C$  invenire  $\left\{ \begin{array}{l} AC = AE. \delta EL. L\lambda. A\lambda = AQ. \\ Q. \text{ hac serie} \end{array} \right.$

Dato  $Q$  invenire  $\left\{ \begin{array}{l} AQ = A\lambda. \lambda L. LE\delta. EA = AC. \\ C \text{ hac serie} \end{array} \right.$

Est autem  $L\lambda$  perpendicularis lineæ  $A\gamma$ .

3 Fiat  $LW = DL$ , & ducatur  $\delta\sigma W$ , Fiatque  $AS = A\sigma$ : iterum fiat  $D\mu = \gamma M$ . Tum centro  $S$ , & semidiametro  $S\mu$ , describatur circulus  $\mu\eta\tau\mu$  secans  $AG$  in  $\eta$ , &  $A\mathcal{E}$  in  $\tau$ , & cruris  $BC$  in  $\pi$ , & latus  $DC$  in  $\varrho$  &  $V$ . Erit  $\eta$  polus basis  $DC$ , &  $\tau$  polus cruris  $BC$ , &  $A$  polus cruris  $DB$ : satis hoc liquet.





4 Ex puncto C polo circuli  $\mu n \tau$  ducantur binæ rectæ  $C \tau \theta$  &  $C n \phi$ ; eritque  $\phi \theta = \tau n = \text{ang. C.}$

5 Ducatur recta  $\delta n q$ , fiatque  $q \downarrow = D q$ : Tum per  $\downarrow$  ducatur recta  $\delta \downarrow R$ : erit R centrum arcus  $D C \delta$ . Similiter ducatur recta  $\beta \tau o$  fiatque  $o \omega = B o$ : tum per  $\omega$  ducatur recta  $\beta \omega Z$ , erit Z centrum arcus  $B C \beta$ ; Et sic descriptum est triangulum  $D B C$ .

6 Si

6 Si per punctum angulare  $Q$  ducantur binæ rectæ una  $Q\alpha$  parallela diametro  $GA\gamma$ , altera  $Q\beta$  à parallela diametro  $EA\alpha$  erit  $\gamma\alpha\bar{v}CK$ , &  $\alpha\beta\bar{v}CP$ .

7 Trianguli cujuscvis sphærici tres anguli interiores simul, excedunt duos rectos, five gradus 180. Nam in Triang.  $A\tau\eta$ ,  $A=DB$ ,  $\tau=P$ ,  $\eta=B$ ,  $C\bar{v}B\gamma$ ,  $\gamma=E$ ,  $\epsilon'=D$ ,  $C'=C$ ,  $\bar{v}\delta\alpha$ . At  $DB+B\gamma+\delta\alpha=180+\alpha\gamma$ .

8 Unde necessariò sequitur, quòd in triangulo rectangulo Sphærico, acutorum alter major est complemento alterius.

9 Sequitur etiam, quòd si supponatur  $\alpha\gamma=2$  grad. & fiat  $AN\bar{v}\alpha\gamma$ , & ducatur arcus  $DEM$ : erit tri.  $A\eta\tau=A\delta FN$ . Nam utrumque triangulum continet intra se duos angulos rectos cum duobus gradibus: Estque Triang.  $A\delta FN$  æquale uni 180 = parti superficiei hemisphærii: hoc est uni 360 = parti superficiei i Sphære totius.

Reducetur autem ad gradus quadratos (quæ mensura est nota) sic Dic.  $355 \cdot 113 :: 360 \cdot 114|59155$ , quæ cum diameter est circuli maximi, cum mensura unius 360 partis superficiei = sphære in grad. quadratis. Nam  $360 \times 114|59155 = 4$  circ. max. = superfic. sphære quæ si denuò dividatur per 360, redibit  $114|59155$ .

Et si alius quivis numerus graduum propositus sit, puta 26. Dic.  $1 \cdot 114|59155 :: 26 \cdot 2988|7403$ .

## C. II.

*Triangulorum planorum calculus & primo de  
triangulo rectangulo plano.*

L



N triangulorum planorum resolutione, ex  
solis angulis datis, non haberi possunt ipsa  
latera; sed tantummodo ratio laterum.  
Quare unum ex lateribus cognosci necesse  
est.

Et ad triangulum rectangulum (præter angulum rectum) duo  
quolibet termini, pro tertii investigatione sufficient; modo u-  
nus saltem ex ipsis sit latus. Tres igitur termini ingrediuntur  
calculum.

II. Si è tribus terminis ingredientibus calculum, unus sit hy-  
potenusa: Erit ut Radius ad sinum anguli acuti: Sic hypote-  
nusa ad latus rectum eidem angulo oppositum; Et sic secans al-  
terius anguli acuti, ad Radium.

*Rad. s B :: BC. CA :: sc C. Rad.*

*Rad. s C :: BC. BA :: sc B. Rad.*

III. Si

III. Si è tribus terminis ingredientibus calculum, neuter sit hypotenusa: Erit ut Radius est ad tangentem anguli acuti: Sic latus rectum adiacens eidem angulo, ad latus rectum ipsi oppositum. Et sic tangens alterius anguli acuti ad Radium.

$$\text{Rad. } tB :: BA. CA :: tC \text{ Rad.}$$

$$\text{Rad. } tC :: CA. BA :: tB. \text{Rad.}$$

### *De triangulo obliquangulo plano.*

IV. Ad triangulum obliquangulum. Si tres termini dentur, modo unus saltem ex ipsis sit latus, quartus quilibet poterit inveniri. Quatuor igitur termini ingrediuntur calculum.

V. Si quatuor termini ingredientibus calculum, sint sibi mutuo oppositi, hoc est, duo anguli, cum lateribus subtensis: Sinus angulorum lateribus oppositis sunt directe proportionales. Verum hic etiam cognitu opus est, utrum angulus quæsitus acutus sit, vel obtusus.

$$sB. DC :: sC. BD :: sD. BC.$$

$$\text{Nam Rad. } sB :: BC. CA$$

$$\text{Rad. } sD :: DC. CA$$

$$sB. sD :: DC. BC.$$

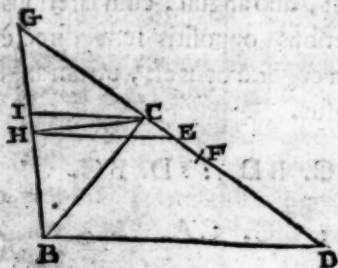
V. Datis

VI. Datis duobus cruribus, cum angulo intercepto, invenire reliquos duos angulos. Angulum datum tolle ex 180, & habebis summam angulorum reliquorum. Tum dic, ut semisumma crurum datorum, est ad semidifferentiam eorundem, sic tangens semisummae angulorum reliquorum, est ad tangentem semidifferentiae ipsorum.

Postremo semisummae angulorum reliquorum, semidifferentiam ipsorum adde, & habebis angulum quaesitum majorem vel tolle, & habebis angulum quaesitum minorem.

$$\frac{1}{2}Z \text{ crur.} : \frac{1}{2}X \text{ crur.} :: t \frac{1}{2}Z LL. : t \frac{1}{2}X LL.$$

$$\frac{1}{2}Z LL. \pm \frac{1}{2}X LL. = \text{angulo} \begin{cases} \text{majori.} \\ \text{minori.} \end{cases}$$



DEMONSTRATIO.

Nam in Trian. BCD, crura sint CB, CD, & CG = CB. Quare  $\frac{1}{2}Z \text{ cru.} = EG$ , &  $\frac{1}{2}X \text{ cru.} = EC$ . Duc CH bise- cantem BG ad angulos rectos, & fiat ang. GCI = D. Erit ang.

ang. GCH =  $\frac{1}{2}$  ZLL B & D, cujus tangens est HG: & ang.

ICH =  $\frac{1}{2}$  XLL B & D, cujus tangens est HI.

Est autem EG. EC :: HG. HI. Hoc est:

$$\frac{1}{2} Z cru : \frac{1}{2} X cru :: \frac{1}{2} Z LL : \frac{1}{2} X LL.$$

VII. Datis tribus lateribus invenire angulum quemlibet.

Ut rectangulum sub cruribus anguli quaesiti, est ad rectangulum sub semisumma basis & differentiae crurum, in semi differentiam basis & differentiae crurum: Sic quadratum radii ad quadratum finis semissis anguli quaesiti.

$$\square cru . \frac{B + X cru}{2} \times \frac{B - X cru}{2} :: Rq . Q . s \frac{1}{2} ang.$$

Vel aliter sic. Ut rectangulum sub cruribus anguli quaesiti, est ad rectangulum sub semisumma summæ crurum & basis, in semidifferentiam summæ crurum & basis: Sic quadratum Radii, ad quadratum finis complementi semissis anguli quaesiti.

$$\square cru . \frac{Z cru + B}{2} \times \frac{Z cru - B}{2} :: Rq . Q : s co \frac{1}{2} ang.$$

Horum duorum problematum effectio per Logarithmos propter evicatum multiplicationem & divisionem facilis est, sicut ex hac operationis forma liquet

$$cru \left\{ \begin{array}{l} B D. \text{ Log } \\ B C. \text{ Log } \end{array} \right\} \text{sum.}$$

X crurum

Basis DC

Basis + X cru. 1

Basis - X cru. 2

Dim. 1. Log

Dim. 2. Log

+ 2 R. Log: - sum

Est duplex finus

$\frac{1}{2}$  ang: B

$$cru \left\{ \begin{array}{l} B D. \text{ Log } \\ B C. \text{ Log } \end{array} \right\} \text{sum.}$$

Z crurum

Basis DC

Z cru + Basis. 1

Z cru - Basis. 2

Dim. 1. Log

Dim. 2. Log

+ 2 R. Log: - sum

Est duplex s co.

$\frac{1}{2}$  ang. B.

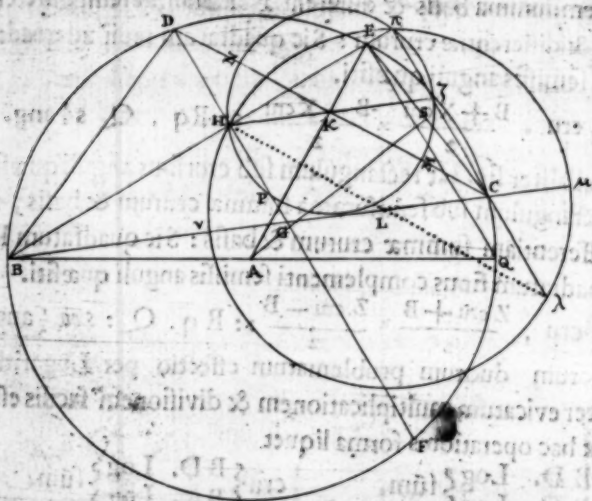
D

DE-



## DEMONSTRATIO

Esto triangulum planum  $BCD$ , cujus tria latera dantur, nempe  $BC$ ,  $BD$ , &  $DC$  basis anguli  $B$  quæ sit, circumducatur triangulo circulus, cujus Diameter est  $BAQ$ . Bifecetur angulus



$BE$  recta  $BE$  bifecante etiam arcum circuli  $DC$  mensuretur,  $QF = DE$ , protrahanturque binæ rectæ. scil.  $DHFG$  secans  $BE$  in  $H$ , &  $BC$  in  $G$ : Et  $EQ$ , quæ parallela erit ipsi  $DF$ .

Item



Item tertia ipsius parallela per C secans BE productam in  $\pi$ .  
 Erunt anguli E,  $\pi$ , H, recti: & BG = BD: & HG = DH.  
 Ducatur etiam CE, ipsique e centro perpendicularis AS.  
 Tum bisectis DC base in K, & GC differentia crurum in L,  
 producantur ex H puncto HK  $\zeta$  & HL  $\lambda$ , concurrentes cum  
 ipsa C $\pi$  in  $\zeta$  & L. Satis liquet triang. DKH, CK $\zeta$ , HLG,  
 $\lambda$ LC esse æqualia & similia: ideoque HL  $\lambda$  basi DC esse  
 æqualem & parallelam. Deinde centro K, & diametro H $\zeta$ ,  
 item centro L, & diametro H $\lambda$ , describantur circuli H $\pi$  $\zeta$ ,  
 & H $\pi$  $\lambda$  transientes & per  $\pi$ , quia angulus ad  $\pi$  rectus est  
 in semicirculo; suntque arcus minoris circuli HP,  $\pi$  $\zeta$  æqualis.  
 His expositis, & liquidò constantibus. Dico,

$$\text{I. Rq. Q. s } \frac{1}{2}LB :: BD \times BC : \frac{B + X_{\text{cr.}}}{2} \times \frac{B - X_{\text{cr.}}}{2}$$

$$\text{Nam, } \left\{ \begin{array}{l} AE. ES :: BD. DH \\ AE. ES :: BC(C\pi) DP \end{array} \right\} = \left\{ \begin{array}{l} DM \\ DN \end{array} \right\} \text{ Ergo}$$

$$\text{II. Rq. Q. s } \cos \frac{1}{2}LB :: BD \times BC : \frac{Z_{\text{cr.}} + B}{2} \times \frac{Z_{\text{cr.}} - B}{2}$$

$$\text{Nam, } \left\{ \begin{array}{l} AE. AS :: BD. BH. \\ AE. AS :: BC. B\pi. \end{array} \right\} = \left\{ \begin{array}{l} B_{\mu} \\ B_{\nu} \end{array} \right\} \times \text{Ergo}$$

Est enim DM = DK + GL. Et DN = DK - GL.

Item,  $B_{\mu} = BL + DK$ . Et  $B_{\nu} = BL - DK$ .

Quia, GL = HK = KM. Et DK = HL = L $\mu$ .

V III. Aliter, Datis tribus lateribus inveniuntur anguli sic  
 Ut summa casuum basis, est ad summam crurum: sic differen-  
 tia crurum, ad differentiam casuum basis,


D 2

DA



## CAP. III.

*Triangulorum sphericorum calculus, & primo  
de triangulo rectangulo spherico.*

- I.  Inus hypotenusarum, sinibus cathetorum sunt directè proportionales.

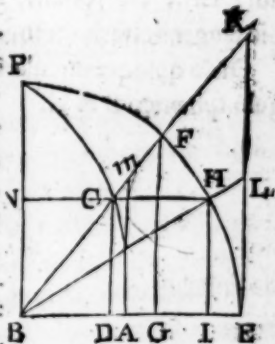
$$R. sBC :: sB. sCA.$$

- II. Sinus basium, tangentibus cathetorum sunt directè proportionales.

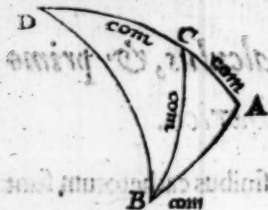
$$R. sBA :: sB. sCA.$$

$$\text{quare } R. sAB :: sCA. sBA.$$

Nam(juxta ea quæ ad Schema A tradita sunt) cogitetur BPE Quadrans P' Analemmatis, in quo describuntur triangula spherica, BFE majus, & BCA minus: unâ cum arcuum sinibus FG, CD=HI, & tangentibus KE, LE. Primo liquet, s hypor. BF.BC :: s cath. FG.CD. Secundo liquet, s basium BE.BA :: s cath. KE.LE. MA=LE: Est enim BN. EL:: HN.BE:: NC. AB:: BN. AM. B



I I I. In triangulo Sphærico, cujus vel angulus unus est rectus, vel latus unum æquale quadranti circuli (quod idcirco quadrantale dicitur) quinque sunt partes sive termini circulares: nam quadrans non recensetur inter terminos.



Arque ex quinque terminis, præter illos qui angulo recto, sive lateri quadrantali, utrinque proximi sunt, reliqui tres mutantur in complementa sua, sicut in Schemate apparet. Dubius autem ex his datis, tertius aliquis

poterit inveniri. Tres igitur termini ingrediuntur calculum.

I V. Si è tribus ex his terminis ingredientibus calculum, duo tantum sint proximi, tertius autem remotus ab utroque: Erit, Ut Radius, est ad sinum complementi unius termini proximi: Sic sinus complementi alterius termini proximi, est ad sinum termini remoti.

Item, Si tres termini ingredientibus calculum sint omnes proximi: Erit, Ut Radius, ad tangentem unius termini extremi: Sic tangens alterius termini extremi, ad sinum medii.

Ordo quinque circularium terminorum, in triangulo rectangulo sphærico B A C.

CA,

CA, BA, co B, co BC, co C. Eritque.

$\text{Rad.} \left\{ \begin{array}{l} C A. B A. co BC \\ B A. co B. co C \\ co B. co BC. CA \\ co BC. co C. BA \\ co C. CA. co B \end{array} \right $	$\text{Rad.} \left\{ \begin{array}{l} C A. co B. BA \\ BA. co BC. co B \\ co B. co C. co BC \\ co BC. CA. co C \\ co C. BA. CA \end{array} \right $
<i>proximi remoti.</i> <i>s. co. sin.</i>	<i>extremi medii</i> <i>tang. sin.</i>

Hinc oriuntur Analogismi totidem.

$R. s B :: s B C. s C A$	$R. t co B :: t C A. s B A$
$R. s C :: s B C. s B A$	$R. t B A :: t co C. s C A$
$R. s co B A :: s B. s co C$	$R. t co B C :: t B A. s co B$
$R. s C :: s co C A. s co B$	$R. t C A :: t co B C. s co C$
$R. s co C A :: s co B A. s co B C$	$R. s co C :: t co B s co B C$

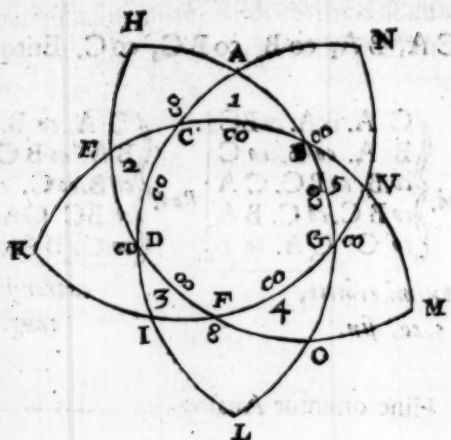
### DEMONSTRATIO

Quinquangulum in medio schematis circumvallatur hypotenusa quinque triangulorum Rectans, quæ notantur figuris

1, 2, 3, 4, 5.

In quibus singulis angulus præcedens cogitur B, sequens C, & angulus rectus A. Comparantur autem termini circulares quatuor posteriorum triangulorum (2. 3. 4. 5.) cum terminis tri-

anguli



anguli 1, juxta duas tabellas sequentes, in binis proportionibus æqualibus; quarum prior sumitur ex Analogismis, posterior eadem est cum 1, mutatis ubique (ut dictum est) literis.

R. s B :: s BC. s CA	Tri	R. t co B :: t CA. s BA
R. s BC :: s C. s BA		R. s BA :: t co C. s CA
R. s F :: s FG. s GO		R. t co D :: t FI s DI
R. s co BA :: s B. s co C	4 3	R. t co BC :: t BA s co B
R. s D :: s DF. s FI		R. t co F :: t GO. s FO
R. s C :: s co CA s co B	3 4	R. t CA :: t co BC s co C
R. s C :: s CD. s DE		R. t co G :: t BV s GV
R. s co CA :: s co BA s co BC	5 5	R. t co C :: t co B s co BC
R. s G :: s GB. s BV	5 2	R. t co C :: t DE s CE

Et



Et nota quod per Sect: 8 C: 1, quinque posteriores analogismi de tangentibus poterint trifariam variari, ita ut Radius sit in primo loco, et qualibet è tribus speciebus in ultimo.

$$R. : co B :: t C A. : B A.$$

Exempli gratia

$$R. : B A :: t B. : C A$$

$$R. : B A :: t co C A. : co B$$

Triangulum quadrantale mensuratur more trianguli rectanguli sphaerici mutatis mutandis.

Ordo quinque circularium terminorum in triangulo quadrantali B C D.

B. D. co D C. co C. co B C. Eritque

Rad.	{	B. D. co C	{	Rad.	B. co D C. D
		D. co D C. co B C			D. co C. co D C
		co D C. co C. B			co D C. co B C. co C
		co C. co B C D			co C. B. co B C
		co B C. B co D C			co B C. D. B
		proximi			extremi
		s co		sin	tang
					medii
					sin

Analogismos si quis desiderat, facillimè poterit hinc acquirere.

Aliter pro triangulo quadrantali B C D, solvatur rectangulum B A C adjunctum.

V. De triangulo obliquangulo sphaerico.

E

In

In triangulo sphærico cujus neque unus angulus, neque latus ullum, æquatur quadranti circuli sunt sex circulares partes sive termini; nempe tria latera, & tres anguli; atque ex his, tribus datis, quartus quilibet poterit inveniri.

Quatuor igitur termini ingrediuntur calculum.

VI. Si quatuor termini ingredientibus calculum sint sibi mutuo oppositi; hoc est duo anguli cum lateribus subtensis Sinus angulorum, sinibus laterum subtensorum sunt directè proportionales.

Uerùm hic etiam cognitu opus est, utrùm terminus quartus quæsitus, major sit quadrante, an minor.

$$s.B. : s.DC :: s.C. : s.BD :: s.D. : s.BC.$$

$$\text{Nam } \left\{ \begin{array}{l} R. : s.B. :: s.BC. : s.CA. \\ R. : s.D. :: s.DC. : s.CA. \end{array} \right\} s.B. : s.D. :: s.DC. : s.BC.$$

VII. Datis duobus cruribus cum angulo intercepto, invenire reliquos duos angulos. Dic primò, ut sinus semisummæ crurum, est ad finem semidifferentiæ crurum: sic tangens complementi semissis anguli contenti, ad tangentem semidifferentiæ angulorum reliquorum.

Denique Dic, ut sinus complementi semisummæ crurum, est ad finem complementi semidifferentiæ crurum: sic tangens complementi semissis anguli contenti, ad tangentem semisummam angulorum reliquorum.

Pòstrèmo semisummam angulorum reliquorum, semidifferentiam eorundem adde, et habebis angulum quæsitum majorem: vel tolle et habebis angulum quæsitum minorem.

$$s \frac{1}{2} Z \text{ crur. } s \frac{1}{2} X \text{ crur.} :: t \text{ co} \frac{1}{2} L. : t \frac{1}{2} X L.$$

$$s \text{ co} \frac{1}{2} Z \text{ crur. } s \text{ co} \frac{1}{2} X \text{ crur.} :: t \text{ co} L. : t \frac{1}{2} Z L.$$

### DEMONSTRATIO.

In schemate sequente, trianguli B D C optice projecti (cui in Analemmate respondet B D Q) dantur duo crura B D B C, cum angulo D B C incluso. Polo C ducatur arcus  $\pi \tau$ ; (per 3 schem. C) Egitque centrum A polus cruris B D, punctum  $\tau$  polus cruris B C, & punctum  $\pi$  polus basis D C. Unde sequitur quod  $A \pi = t \frac{1}{2} D$ , cujus mensura est  $\delta H$ . ang. C, cujus mensura est  $\theta \phi = H Z = H X$ : Estque (ductis lineis D Z & D  $\epsilon$  X)  $A \zeta = t \frac{1}{2} Z$  angulorum D & C, &  $A \xi = t \frac{1}{2} X$  angulorum D & C: &  $A \tau = t \text{ co} \frac{1}{2} B$ , cujus mensura est  $\beta O$ . Ducta igitur linea L Q  $\lambda$  parallela diametro  $\Lambda E A x$ , & K Q  $\kappa$  parallela diametro G A  $\gamma$ ; Et  $\delta \sigma F$ , & D S parallelis diametro B A  $\beta$ : ductisque reliquis lineis sicut fit in Schemate, Erit  $\lambda M$  sinus cruris B Q, hoc est B C, & M S sinus cruris B D; &  $\lambda S$  summa finum crurum; & L S differentia finum crurum; &  $\lambda T$  Sin. Z crurum, L V Sin. X crurum; &  $\lambda D$  duplex, sin.  $\frac{1}{2} Z$  crurum; & L D duplex sin.  $\frac{1}{2} X$  crurum; &  $\lambda \delta$  duplex: s co.  $\frac{1}{2} Z$  crurum; & L  $\delta$  duplex s co.  $\frac{1}{2} X$  crurum, Super diametro  $\zeta \xi$ , centro  $\mu$ , describatur semicirculus  $\zeta \tau \xi$ , qui transibit per punctum  $\tau$ : Intelligitur enim parallelus esse circulo maximo D C, per polum circuli B C. Iterum centro M, diametro S  $\sigma$ , descri-



Et quia tri.  $\lambda \delta \sigma$ .  $D \lambda S$  sim: Et tri.  $L \delta \sigma$ ,  $D \lambda T$  sim:

Erit  $\left\{ \begin{array}{l} \delta \lambda. \delta \sigma :: D \lambda. \lambda S \\ \delta \sigma. \delta L :: \lambda T. D \lambda \end{array} \right\} \delta \lambda. \delta L :: \lambda T. \lambda S.$

His ita constructis atque explicatis. Dico

Primo  $D \lambda. D L :: A \tau. A \xi.$

hoc est,  $s \frac{1}{2} Z$  lat.  $s \frac{1}{2} X$  lat.:  $t$  co  $\frac{1}{2} L$ ,  $t \frac{1}{2} X L$

Secundo  $\delta \lambda. \delta L :: A \tau. A \zeta.$

hoc est,  $s$  co  $\frac{1}{2} Z$  lat.  $s$  co  $\frac{1}{2} X$  lat.:  $t$  co  $\frac{1}{2} L$ ,  $t \frac{1}{2} Z L$

utrumque autem liquebit  $\Sigma \lambda T. \lambda \sigma :: A \tau. A \xi.$   
 si ostensum fuerit esse  $\Sigma \lambda T. \lambda S :: A \tau. A \zeta.$

Pro cuius probatione sumamus (quod postea duplici demonstratione evincemus) esse  $\lambda S. \lambda \sigma :: A \zeta. A \xi.$

hoc est.  $Z$  fin lat.  $X$  fin lat.:  $t \frac{1}{2} Z L$ ,  $t \frac{1}{2} X L$ .

Hoc enim concessio, cum ang.  $\mu A \tau = M \lambda T$  sequetur figuras  $\lambda \sigma M S T$ ,  $A \xi \mu \zeta \tau$  sibi mutuò correspondere lineis proportionalibus.

Nam  $\lambda S + \lambda \sigma. \lambda S - \lambda \sigma :: A \zeta + A \xi. A \zeta - A \xi.$   
 & sic eorum semisses  $\lambda M. M \sigma :: A \mu. \mu \xi.$

At si duo semicirculi super eandem rectam lineam sic statuantur, ut centrorum ab initio lineæ distantia (  $M A \mu$  ) semidiametris ipsorum (  $M \sigma. \mu \xi$  ) sint proportionales; recta ab initio lineæ protracta utrumque vel tangit, vel secabit similiter.  
 Ergo.

Nunc ut demonstremus (quod solummodo restat) esse  $\lambda S$ .  
 $\lambda \sigma :: A \zeta$ .  $A \xi$ : præmittenda sunt quædam lemmata.

Lem. 1. Ut summa sinuum laterum, ad differentiam sin. laterum: sic summa sin. angulorum est ad differentiam sin. angulorum  $s B C$ .  $s B D :: s D$ .  $s C$ . Quare  $s B C + s B D$ .  $s B C - s B D :: s D + s C$ .  $s D - s C$ .

Lem. 2.  $\frac{s X \text{ arc.} \times s \frac{1}{2} Z \text{ arc.}}{s \frac{1}{2} X \text{ arc.}} = Z \text{ fin. arc.}$  Nam  $DL \cdot LV :: D \lambda$ .  $\lambda S$

Et  $\frac{s Z \text{ arc.} \times s \frac{1}{2} X \text{ arc.}}{s \frac{1}{2} Z \text{ arc.}} = X \text{ fin. arc.}$  Nam  $D \lambda$ .  $\lambda T :: DL$ .  $LS$ .

Lem. 3. Quia per construct: ad 13. C. 1, 2 Q.  $s \frac{1}{2} \text{ arc.} = s \text{ arc}$   
 $\times t \frac{1}{2} \text{ arc.}$  7. Erit

$Q s \frac{1}{2} Z \text{ arc.} Q s \frac{1}{2} X \text{ arc.} :: s Z \text{ arc.} \times t \frac{1}{2} Z \text{ arc.} s X \text{ arc.} \times t \frac{1}{2} X \text{ arc.}$   
 7. (five arcus sint latera, vel anguli)

His præmissis Dico  $\lambda S$ .  $\lambda \sigma :: A \zeta$ .  $A \xi$ . hoc est,  $Z \text{ fin. cru.}$   
 $X \text{ fin. cru.} :: t \frac{1}{2} Z \text{ LL.} t \frac{1}{2} X \text{ LL.}$  Nam  $\lambda S$ .  $LS$ . hoc est  $Z \text{ fin. crur.}$   
 $X \text{ fin. crur.} :: Z \text{ fin. LL.} X \text{ fin. LL.}$

Lem 1, 2.  $\frac{s X \text{ LL.} \times s \frac{1}{2} Z \text{ LL.}}{s \frac{1}{2} X \text{ LL.}} \cdot \frac{s Z \text{ LL.} \times s \frac{1}{2} X \text{ LL.}}{s \frac{1}{2} Z \text{ LL.}}$  Lem. 2, hoc est

$:: s X \text{ LL.} \times Q s \frac{1}{2} Z \text{ LL.} s Z \text{ LL.} \times Q s \frac{1}{2} X \text{ LL.}$  hoc est per Lem. 3

$:: s X \text{ LL.} \times s Z \text{ LL.} \times t \frac{1}{2} Z \text{ LL.} s Z \text{ LL.} \times s X \text{ LL.} \times t \frac{1}{2} X \text{ LL.} ::$

$s \frac{1}{2} Z \text{ LL.} t \frac{1}{2} X \text{ LL.} :: A \zeta$ .  $A \xi :: \lambda S$ .  $LS$ .

Atque



Atque hæc est prima demonstratio per Lem : 1, 2, 3, quam Nobilissimi Domini *Caroli Cavendish* honoratu excogitavi, Anno 1632.

Secunda demonstratio sic se habet. Quia  $\lambda S : LS :: T \lambda : TR :: t \text{ ang } D \delta \lambda : t \text{ ang } D \delta L$ , hoc est  $Z \sin \text{ crur } X \sin \text{ crur} :: t \frac{1}{2} Z \text{ crur } t \frac{1}{2} X \text{ crur}$ .

$Z \sin LL : X \sin LL :: t \frac{1}{2} Z LL : t \frac{1}{2} X LL$ .

Quare  $Z \sin \text{ crur } X \sin \text{ crur} :: t \frac{1}{2} Z LL : t \frac{1}{2} X LL$ , hoc est  $\lambda S : LS :: A \zeta : A \xi$

VIII. Datis duobus angulis cum latere interjacente invenire reliqua duo latera. Dic primò, ut sinus semisummæ angulorum, est ad sinum semidifferentiæ angulorum : sic tangens semissis lateris interjacentis, ad tangentem semidifferentiæ laterum reliquorum. Item ut sinus complementi semisummæ angulorum est ad sinum complementi semidifferentiæ angulorum ; sic tangens semissis lateris, interjacentis, ad tangentem semisummæ laterum reliquorum. Postremò semisummæ laterum reliquorum semidifferentiam eorundem adde, & habebis latus quæsitum majus : vel tolle &c. & habebis latus quæsitum minus.

$s \frac{1}{2} Z \text{ angulorum} : s \frac{1}{2} X \text{ angulorum} :: t \frac{1}{2} \text{ lat} : t \frac{1}{2} X \text{ laterum}$ .

$s \text{ co } \frac{1}{2} Z \text{ angulorum} : s \text{ co } \frac{1}{2} X \text{ angulorum} :: t \frac{1}{2} \text{ lat} : t \frac{1}{2} Z \text{ laterum}$ .

Hæc Propositio nova demonstratione non indigebit, cum nihil quærat aliud quam resolutionem trianguli sphaerici  $A \tau \eta$  in quo datis duobus lateribus  $A \eta, \eta \tau$ , unâ cum angulo comprehenso, quærentur duo anguli  $A \& \tau$ . Et quia alterius tri-

anguli basis  $DC = n$ , ideoque  $DC' = n$ : Erit  $r : n :: r \cos \frac{1}{2} DC$ .

I X. Datis tribus lateribus, invenire angulum quemlibet: bifariam.

Reg. I. Ut rectangulum sub sinibus crurum anguli quæfiti, est ad rectangulum sub sinu semisummæ basis & differentiæ crurum, in sinum semidifferentiæ basis & differentiæ crurum, sic quadratum Radii, ad quadratum sinus semissis anguli quæfiti.

$$\square \text{ Sin. crur. } s \frac{B + X \text{ cru.}}{2} \times s \frac{B - X \text{ cru.}}{2} :: Rq. Q s \frac{1}{2} \text{ ang.}$$

Regula II. Ut rectangulum sub sinibus crurum anguli quæfiti, est ad rectangulum sub sinu semisummæ summæ crurum & basis, in sinum semidifferentiæ summæ crurum & basis: sic quadratum Radii, ad quadratum sinus complementi semissis anguli quæfiti.

$$\square \text{ Sin. crur. } s \frac{Z \text{ cru.} + B}{2} \times s \frac{Z \text{ cru.} - B}{2} :: Rq. Q : s \cos \frac{1}{2} \text{ ang.}$$

Re-

**Regularum harum effectio per Logarithmos, facilis**

$$\text{cru.} \left\{ \begin{array}{l} \text{B D Log. sin.} \\ \text{B C Log. sin.} \end{array} \right\} \text{sum.}$$

$$\text{cru.} \left\{ \begin{array}{l} \text{BD Log. sin.} \\ \text{BC Log. sin.} \end{array} \right\} \text{sum.}$$

X crurum  
Basis DC  
Basis + X cru. 1  
Basis - X cru. 2

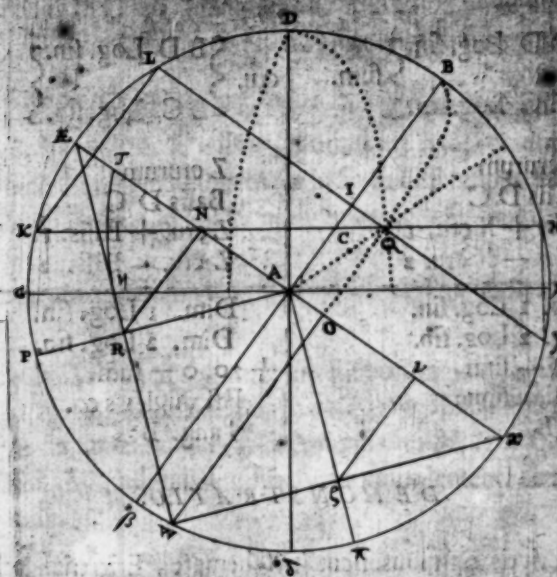
Z crurum  
Basis D C  
Z cru. + Basis. 1  
Z cru. — Basis. 2

Dim. 1 Log. fin.  
Dim. 2 Log. fin.  
+ 20.0 — sum.  
Est duplex finus  
 $\frac{1}{2}$  ang. B

Dim. 1 Log. fin.  
Dim. 2 Log. fin.  
+ 20.0 — sum.  
Est duplex s co.  
 $\frac{1}{2}$  ang. B.

DEMONSTRATIO.

Descriptis omnibus sicut in schemate, Erit triang. DBQ ellipticum: ang. B quæsitus. Et in tri. KQL,  $\lambda$  Q  $\propto$  sim. ang. Q = GÆ = DB: ang. K =  $\lambda$  = LD  $\propto$  = Bas. + X crur: KL = Bas. — X crur: KD  $\lambda$  = Z crur + Bas:  $\propto$   $\lambda$  = Z crur. — Bas: OÆ  $\bar{v}$ . WP Æ, est mensura ang. B: & QL mensura sim: O  $\propto$   $\bar{v}$  W  $\pi$   $\propto$ , est mensura co. B: Q  $\lambda$  sim: Estque ÆR = s  $\frac{1}{2}$  B, Et  $\propto$  = s co  $\frac{1}{2}$  B.



*Demonstratio I<sup>a</sup>.*

In Triangulo QLK

$$sQ. sK :: \frac{1}{2} KL. : \frac{1}{2} QL.$$

$$IL. Rad :: \frac{1}{2} QL. \overline{EN}.$$

$$Rad. \overline{EN} :: Radq. \overline{ERq}.$$

(Nam A E, E R, E N  $\ddots$ )

Quibus multiplicatis erit

$$sQ \times IL \cdot \frac{1}{2} KL \approx sK :: Radq. \overline{ERq}$$

*Demonstratio II<sup>a</sup>.*

In triangulo Q λ x

$$sQ. sλ :: \frac{1}{2} λ. \frac{1}{2} Q λ.$$

$$I λ. Rad :: \frac{1}{2} Q λ. \overline{x γ}.$$

$$Rad. \overline{x γ} :: Radq. \overline{x γ q}.$$

(Nam A x, x γ, x γ  $\ddots$ )

Quibus multiplicatis erit

$$sQ \times I λ \cdot \frac{1}{2} λ \approx sλ :: Rq. \overline{x γ q}.$$

X. Datis

X. Datis tribus angulis, invenire latus quodlibet. Quoniam (in Sect. 7 ad schem. C) ostensum est in tri.  $A_n\tau$ , esse ang.  $A = DB$ ; ang.  $\tau = BC$  & ang.  $n = DC'$ : dantur in eodem tri.  $A_n\tau$  tria latera  $A_n, n\tau, A\tau$  ad inveniendum angulum quemlibet puta ang.  $n$ , per duas Regulas in prop. IX, verbatim; capiendo  $A_n$ , &  $n\tau$  pro cruribus, &  $A\tau$  probasi anguli  $n$ . Praxis erit per Logar.

$$\text{cru. } \left\{ \begin{array}{l} n\tau \text{ Log. fin.} \\ A_n \text{ Log. fin.} \end{array} \right\} \text{sum.}$$

$$\text{cru. } \left\{ \begin{array}{l} n\tau \text{ Log. fin.} \\ A_n \text{ Log. fin.} \end{array} \right\} \text{sum.}$$

X crurum  
Basis  $A\tau$   
Bas + X crur. 1  
Bas - X crur. 2

Z crurum  
Basis  $A\tau$   
Z crur. + Bas. 1  
Z crur. - Bas. 2

---

Dim. 1 Log. fin.  
Dim. 2 Log. fin.  
+ 20. 0 - sum. =  
2 sin.  $\frac{1}{2}$  ang.  $n$ , vel  $\frac{1}{2}$  DQ.

---

Dim. 1 Log. fin.  
Dim. 2 Log. fin.  
+ 20. 0 - sum. =  
2 sco.  $\frac{1}{2}$  ang.  $n$ , vel  $\frac{1}{2}$  DQ.

XI. Si vero in triangulo obliquangulo sphærico, termini dati non se habeant in modo aliquo prædicto, triangulum datum in duo triangula rectangula distinguendum est, catheto ab angulo C ducto: sic ut in priore triangulo rectangulo A. B. C, dentur tum angulus B, tum latus BC: & duabus operationibus.



F 2

upos

opus erit: quarum prima exquirat vel basem  $BA$ , vel angulum ad cathetum  $BCA$  prout usus præsens postulabit sic

$$\text{vel } \begin{cases} \text{Rad. sco } B :: tBC. tBA \\ \text{Rad. sco } BC :: tB. tcoBCA. \end{cases}$$

Secunda operatio, in triangulo rectangulo sphaerico posteriore  $ADC$  (ditigente habita ratione additionis, vel subtractionis particularium, tum basium, tum angulorum ad cathetum) una ex his quatuor Regulis expeditur.

Reg. I. Sinus complementi hypotenusarum, sinibus complementi basium, sunt directè proportionales.

$$\text{sco } BA. \text{sco } DA :: \text{sco } BC. \text{sco } DC.$$

Reg. II. Sinus basium, tangentibus angulorum ad basem, sunt reciproçè proportionales.

$$sBA. sDA :: tcoB. tcoD :: tB. tD.$$

Reg. III. Sinus complementi angulorum ad basem, sinibus complementi angulorum ad cathetum, sunt directè proportionales.

$$sBCA. sDCA :: \text{sco } B. \text{sco } D.$$

Reg. IV. Tangentes hypotenusarum sinibus complementi angulorum ad cathetum sunt reciproçè proportionales.

$$\text{sco } BCA. \text{sco } DCA :: tcoBC. tcoDC :: tDC. tBC.$$

Verum cognitu opus est, an angulus secundi trianguli quaesitus, acutus est vel obtusus.

Inveniuntur autem hæ Regulæ per comparisonem binarum proportionum de triangulis  $ABC$ ,  $ADC$ , ex Analogiis desumptarum: Nempe Reg. I, ex Analog. 1 Reg. II, ex Analog. 5. Reg. III, ex Analog. 2 Reg. IV, ex Analog. 6. Exemplum esto in Reg. II.  $R. tCA :: tcoB. sBA$ . Et  $R. tCA :: tcoD. sDA$ . Quare  $sBA. sDA :: tcoB. tcoD :: tD. tB$ . per Cap. I. Sect. XI.

FINIS.



1844

Received of the Treasurer of the  
County of ... the sum of ...  
for ...  
...  
...  
...

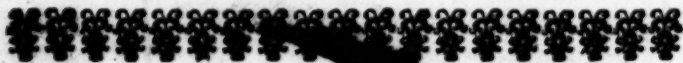
1844



*Errata sic corrigantur.*

Pag. 3. lin. 5, 10, 13, symb. s arc. fiat s versus arc. l. 12. leg. ipsi p. 6. l. 25. H  
fiat h P. p. 10. lin. 1. leg. Circulus, p. 11. lin. 2. lege circulo maximo D E A  
p. 13. l. 2. dele a lin. 11. fiat D F N. pag. 15. lin. 5, 6. t c fiat t C. pag. 17. lin.  
17. leg. evitatam, pag. 19. lin. 6.  $\zeta$  & L. fiat  $\zeta$  & A. lin. 10. dele & lin. 10.  
leg. æquales, pag. 23. lin. 17. leg. triangulorum Rectorum, pag. 35. lin. 1.  
symb. t co. L fiat t  $\frac{1}{2}$  co L, lin. 11. fiat D & X)

*Reliqua qua pend nulla sum nisi in punctationibus facile diligenti  
Lector emendabit.*



CANONES  
SINUUM;  
TANGENTIUM,  
SECANTIUM:  
ET  
LOGARITHMORUM  
PRO  
SINUBUS  
ET  
TANGENTIBUS.

*pour les Tables de Sinus, Tangens, Secans, &c.*

LONDINI,

Excudebat *Iosephus Moxon*, impensis *Thome Iohnson*,  
apud quem veneunt sub signo *Clavis Aurata* in  
Coemeterio S. Pauli. M. DC. LVII.

GRAPES					
M.	Secs.	Minutes.	Seconds.	Reg. Sin.	Lo. Tang.
0	0	0	10000000	0	0
1	1745	1745	10000000	6.24 27	6.241877
2	3490	3490	10000000	6.143907	6.144307
3	5235	5235	10000000	6.718998	6.718998
4	6981	6981	10000000	6.843937	6.843937
5	8726	8726	10000000	6.940847	6.940847
6	10472	10472	10000000	7.030028	7.030028
7	12217	12217	10000000	7.086775	7.086775
8	13963	13963	10000000	7.144007	7.144007
9	15708	15708	10000000	7.199119	7.199119
10	17453	17453	10000000	7.241877	7.241877
11	19198	19198	10000000	7.283270	7.283270
12	20944	20944	10000000	7.321058	7.321058
13	22689	22689	10000000	7.355820	7.355820
14	24434	24434	10000000	7.388005	7.388005
15	26180	26180	10000000	7.417906	7.417906
16	27925	27925	10000000	7.445997	7.445997
17	29670	29670	10000000	7.472325	7.472325
18	31416	31416	10000000	7.497149	7.497149
19	33161	33161	10000000	7.520630	7.520630
20	34906	34906	10000000	7.542906	7.542906
21	36652	36652	10000000	7.564095	7.564095
22	38397	38397	10000000	7.584199	7.584199
23	40143	40143	10000000	7.603207	7.603207
24	41888	41888	10000000	7.621209	7.621209
25	43633	43633	10000000	7.639216	7.639216
26	45378	45378	10000000	7.656849	7.656849
27	47124	47124	10000000	7.673239	7.673239
28	48869	48869	10000000	7.689033	7.689033
29	50614	50614	10000000	7.704273	7.704273
30	52359	52359	10000000	7.718998	7.718998
31	54105	54105	10000000	7.733237	7.733237
32	55850	55850	10000000	7.747025	7.747025
33	57595	57595	10000000	7.760389	7.760389
34	59341	59341	10000000	7.773354	7.773354
35	61086	61086	10000000	7.785943	7.785943
36	62831	62831	10000000	7.798177	7.798177
37	64577	64577	10000000	7.810076	7.810076
38	66323	66323	10000000	7.821658	7.821658
39	68067	68067	10000000	7.832938	7.832938
40	69812	69812	10000000	7.843934	7.843934
41	71558	71558	10000000	7.854699	7.854699
42	73303	73303	10000000	7.865123	7.865123
43	75048	75048	10000000	7.875348	7.875348
44	76794	76794	10000000	7.885326	7.885326
45	78539	78539	10000000	7.895085	7.895085
46	80284	80284	10000000	7.904630	7.904630
47	82029	82029	10000000	7.913970	7.913970
48	83775	83775	10000000	7.923142	7.923142
49	85520	85520	10000000	7.932086	7.932086
50	87265	87265	10000000	7.940847	7.940847

No. 2.					
No.	Sum.	Tenue.	Sum.	Eq. Sin.	Lat. Tan.
100	10000000	Infinit.	Infinit.	10000000	Infinit.
99	9999999	1720778931	5720778904	9-999999	13-798112
98	9999998	28647888193	18647888338	9-999999	13-477092
97	9999997	19008591421	19091594043	9-999999	13-181001
96	9999996	1431942151	1412194054	9-999999	13-156062
95	9999995	11419152994	11469167457	9-999999	13-059112
94	9999994	9540203005	9540208131	9-999999	12-979971
93	9999993	8181107286	8181113298	9-999999	12-913024
92	9999992	7161967785	7161974766	9-999999	12-855032
91	9999991	6366192487	6366200141	9-999999	12-801880
90	9999990	5729572133	5729580360	9-999999	12-758122
89	9999989	5208700820	5208710428	9-999999	12-716720
88	9999988	4774641111	4774651781	9-999999	12-678941
87	9999987	4407360032	4407371436	9-999999	12-644178
86	9999986	4091547534	4091559752	9-999999	12-611994
85	9999985	3819709007	3819721957	9-999999	12-582303
84	9999984	3580976911	3580990874	9-999999	12-550001
83	9999983	3370310081	3370324406	9-999999	12-519762
82	9999982	3183088190	3183104098	9-999999	12-501848
81	9999981	3015556289	3015572869	9-999999	12-479567
80	9999980	2864777140	2864794793	9-999999	12-457001
79	9999979	2728358225	2728376461	9-999999	12-435901
78	9999978	2604340816	26043560014	9-999999	12-415668
77	9999977	2401107467	2401123539	9-999999	12-396392
76	9999976	2287310184	2287326128	9-999999	12-379000
75	9999975	2191816636	2191833413	9-999999	12-363130
74	9999974	2103668701	2103691190	9-999999	12-348146
73	9999973	2123050200	2123073761	9-999999	12-327755
72	9999972	2046261550	2046285984	9-999999	12-310051
71	9999971	1979569663	1979594470	9-999999	12-295721
70	9999970	1905841864	1905866044	9-999999	12-280907
69	9999969	1848232017	1848256960	9-999999	12-267917
68	9999968	1790474493	1790499418	9-999999	12-242068
67	9999967	1736216544	1736241342	9-999999	12-226504
66	9999966	1681510205	1681535976	9-999999	12-212693
65	9999965	1637001909	1637027445	9-999999	12-200092
64	9999964	1591428487	1591454903	9-999999	12-208114
63	9999963	1548117055	1548143444	9-999999	12-180015
62	9999962	1507761564	1507787475	9-999999	12-178132
61	9999961	1469099861	1469125860	9-999999	12-177081
60	9999960	1432271216	1432297123	9-999999	12-156055
59	9999959	1397424184	1397450061	9-999999	12-143211
58	9999958	1364160792	1364187443	9-999999	12-124866
57	9999957	1332434972	1332462457	9-999999	12-124646
56	9999956	1302151200	1302178060	9-999999	12-124661
55	9999955	1272121364	1272148155	9-999999	12-104901
54	9999954	1244532662	1244559105	9-999999	12-091255
53	9999953	1219031795	1219057810	9-999999	12-086015
52	9999952	1193634148	1193660366	9-999999	12-076078
51	9999951	1169271151	1169297876	9-999999	12-067016
50	9999950	1144886501	1144913315	9-999999	12-059112

M	Sum	Times	Sum	La. Sta.	La. Sta.
10	8725	8725	10000001	7.940842	7.940842
11	89010	89014	10000006	7.943112	7.943119
12	90746	90759	10000412	7.947875	7.947892
13	92501	92505	10000422	7.956147	7.956165
14	94246	94250	10000444	7.974264	7.974284
15	95991	95996	10000461	7.982233	7.982253
16	97737	97741	10000477	7.990058	7.990079
17	99482	99487	10000495	7.997745	7.997766
18	101227	101232	10000512	8.005398	8.005320
19	102972	102978	10000530	8.012712	8.012745
20	104718	104723	10000548	8.020010	8.020044
21	106463	106469	10000567	8.027199	8.027223
22	108208	108214	10000585	8.034260	8.034286
23	109953	109960	10000604	8.041209	8.041235
24	111699	111706	10000624	8.048048	8.048075
25	113444	113451	10000643	8.054781	8.054807
26	115189	115197	10000663	8.061411	8.061440
27	116934	116942	10000684	8.067942	8.067972
28	118679	118688	10000704	8.074376	8.074406
29	120425	120433	10000725	8.080716	8.080747
30	122170	122179	10000746	8.086964	8.086997
31	123915	123925	10000768	8.093124	8.093148
32	125660	125670	10000790	8.099198	8.099222
33	127405	127416	10000812	8.105188	8.105212
34	129151	129162	10000834	8.111097	8.111122
35	130896	130907	10000857	8.116926	8.116952
36	132641	132653	10000880	8.122678	8.122716
37	134386	134398	10000903	8.128355	8.128394
38	136131	136144	10000927	8.133958	8.133999
39	137876	137890	10000950	8.139490	8.139532
40	139621	139635	10000975	8.144953	8.144995
41	141367	141381	10000999	8.150348	8.150391
42	143112	143127	10001024	8.155676	8.155721
43	144857	144872	10001049	8.160940	8.160986
44	146602	146618	10001075	8.166141	8.166188
45	148347	148364	10001100	8.171280	8.171328
46	150092	150109	10001126	8.176359	8.176408
47	151838	151855	10001153	8.181380	8.181430
48	153583	153601	10001179	8.186343	8.186394
49	155328	155347	10001206	8.191240	8.191302
50	157073	157092	10001234	8.196102	8.196155
51	158818	158838	10001261	8.200900	8.200955
52	160563	160584	10001289	8.205646	8.205702
53	162308	162330	10001317	8.210341	8.210398
54	164053	164075	10001346	8.214986	8.215044
55	165798	165821	10001374	8.219581	8.219641
56	167544	167567	10001404	8.224125	8.224189
57	169289	169313	10001433	8.228628	8.228690
58	171034	171059	10001463	8.233082	8.233146
59	172779	172805	10001493	8.237491	8.237556
60	174524	174550	10001523	8.241855	8.241921



M	Simu.	Tangen.	Secum.	La. Sin.	Log. Tan.
10	9999619	1147886501	1147930135	9.999983	11.059141
49	9999601	1147416886	1147461498	9.999983	11.050541
48	9999588	1146811661	1146877048	9.999983	11.042107
47	9999571	1081081609	1081007801	9.999981	11.033834
46	9999555	1081001538	1081048662	9.999981	11.025710
45	9999539	1041709448	1041757445	9.999980	11.017746
44	9999522	10413106340	1041355210	9.999979	11.009931
43	9999505	1005155953	1005205695	9.999978	11.002233
42	9999487	987824524	987875139	9.999978	11.994509
41	9999470	971080582	971132069	9.999977	11.987453
40	9999451	954894752	954947112	9.999976	11.979355
39	9999433	939219585	939262878	9.999975	11.971776
38	9999414	924089405	924143511	9.999974	11.964514
37	9999395	909420165	909475144	9.999974	11.957604
36	9999376	894209321	894265172	9.999973	11.951924
35	9999356	881435715	881492439	9.999972	11.945190
34	9999336	868079474	868137070	9.999971	11.938559
33	9999316	855121909	855180378	9.999970	11.932028
32	9999296	842154141	842212677	9.999969	11.925593
31	9999275	830333474	830393088	9.999968	11.919222
30	9999253	818470411	818531498	9.999967	11.912903
29	9999232	806941503	807003463	9.999966	11.906642
28	9999210	795723227	795785660	9.999965	11.900477
27	9999188	784831222	78489327	9.999964	11.894307
26	9999166	774224239	774286177	9.999963	11.888136
25	9999143	763900093	763961944	9.999962	11.881972
24	9999120	753847620	753909394	9.999961	11.875823
23	9999097	744056235	744118431	9.999960	11.869680
22	9999073	734515806	734577965	9.999959	11.863548
21	9999049	725217071	725279012	9.999957	11.857428
20	9999025	716150701	716212515	9.999956	11.851320
19	9999001	707308178	707370865	9.999955	11.845229
18	9998976	698681112	698743872	9.999954	11.839149
17	9998951	690262308	690325041	9.999953	11.833081
16	9998925	682043743	682106488	9.999952	11.827022
15	9998900	674018542	674081320	9.999951	11.821000
14	9998873	666179961	666242801	9.999950	11.815000
13	9998847	658521563	658584486	9.999949	11.809020
12	9998820	651037206	65110022	9.999947	11.803066
11	9998793	643711024	643774097	9.999946	11.797124
10	9998766	636567411	636630593	9.999945	11.791194
9	9998738	629571008	629634222	9.999944	11.785274
8	9998711	622726688	622789974	9.999943	11.779361
7	9998682	616029544	616102708	9.999941	11.773456
6	9998654	609474881	609548093	9.999940	11.767559
5	9998625	603058190	603131404	9.999939	11.761668
4	9998596	596774185	596847593	9.999937	11.755781
3	9998567	590621706	590695316	9.999936	11.749904
2	9998537	584593706	584667919	9.999935	11.744034
1	9998507	578687660	578762046	9.999934	11.738170
0	9998477	572890616	572965085	9.999933	11.732311

M	Sinus	Tangen	Secant.	Lo. Sin.	Lo. Tan.
0	174524	174520	10001513	8.241049	8.241022
1	176269	176266	10001554	8.246176	8.246144
2	178014	178012	10001594	8.251304	8.251273
3	179759	179758	10001636	8.256431	8.256401
4	181504	181504	10001677	8.261557	8.261528
5	183249	183250	10001719	8.266684	8.266656
6	184994	184996	10001761	8.271811	8.271783
7	186739	186742	10001804	8.276938	8.276911
8	188484	188488	10001846	8.282065	8.282038
9	190229	190234	10001889	8.287192	8.287165
10	191974	191980	10001931	8.292319	8.292292
11	193719	193726	10001974	8.297446	8.297419
12	195464	195472	10002016	8.302573	8.302546
13	197209	197218	10002059	8.307700	8.307673
14	198954	198964	10002101	8.312827	8.312800
15	200699	200710	10002144	8.317954	8.317927
16	202444	202456	10002186	8.323081	8.323054
17	204189	204202	10002229	8.328208	8.328181
18	205934	205948	10002271	8.333335	8.333308
19	207679	207694	10002314	8.338462	8.338435
20	209424	209440	10002356	8.343589	8.343562
21	211169	211186	10002399	8.348716	8.348689
22	212914	212932	10002441	8.353843	8.353816
23	214659	214678	10002484	8.358970	8.358943
24	216404	216424	10002526	8.364097	8.364070
25	218149	218170	10002569	8.369224	8.369197
26	219894	219916	10002611	8.374351	8.374324
27	221639	221662	10002654	8.379478	8.379451
28	223384	223408	10002696	8.384605	8.384578
29	225129	225154	10002739	8.389732	8.389705
30	226874	226900	10002781	8.394859	8.394832
31	228619	228646	10002824	8.399986	8.399959
32	230364	230392	10002866	8.405113	8.405086
33	232109	232138	10002909	8.410240	8.410213
34	233854	233884	10002951	8.415367	8.415340
35	235599	235630	10002994	8.420494	8.420467
36	237344	237376	10003036	8.425621	8.425594
37	239089	239122	10003079	8.430748	8.430721
38	240834	240868	10003121	8.435875	8.435848
39	242579	242614	10003164	8.441002	8.440975
40	244324	244360	10003206	8.446129	8.446102
41	246069	246106	10003249	8.451256	8.451229
42	247814	247852	10003291	8.456383	8.456356
43	249559	249598	10003334	8.461510	8.461483
44	251304	251344	10003376	8.466637	8.466610
45	253049	253090	10003419	8.471764	8.471737
46	254794	254836	10003461	8.476891	8.476864
47	256539	256582	10003504	8.482018	8.481991
48	258284	258328	10003546	8.487145	8.487118
49	260029	260074	10003589	8.492272	8.492245
50	261774	261820	10003631	8.497399	8.497372

M.	Minus.	Tangen.	Secant.	Lo Sin.	Lo Tan.
100	9908477	172809616	172809616	9.999934	11.758078
99	9908446	167225185	167225185	9.999932	11.751716
98	9908415	161653686	161653686	9.999931	11.745376
97	9908384	156082780	156082780	9.999930	11.739038
96	9908353	150512451	150512451	9.999928	11.732691
95	9908321	144942703	144942703	9.999927	11.726345
94	9908290	139373552	139373552	9.999925	11.720000
93	9908259	133804401	133804401	9.999924	11.713654
92	9908228	128235250	128235250	9.999923	11.707308
91	9908196	122666100	122666100	9.999921	11.700963
90	9908165	117096950	117096950	9.999920	11.694617
89	9908134	111527800	111527800	9.999918	11.688272
88	9908103	105958650	105958650	9.999917	11.681926
87	9908072	100389500	100389500	9.999915	11.675581
86	9908041	94820350	94820350	9.999914	11.669235
85	9908010	89251200	89251200	9.999912	11.662890
84	9907979	83682050	83682050	9.999911	11.656544
83	9907948	78112900	78112900	9.999909	11.650198
82	9907917	72543750	72543750	9.999908	11.643853
81	9907886	66974600	66974600	9.999906	11.637507
80	9907855	61405450	61405450	9.999905	11.631162
79	9907824	55836300	55836300	9.999903	11.624816
78	9907793	50267150	50267150	9.999901	11.618471
77	9907762	44698000	44698000	9.999900	11.612125
76	9907731	39128850	39128850	9.999898	11.605780
75	9907700	33559700	33559700	9.999896	11.599434
74	9907669	27990550	27990550	9.999895	11.593089
73	9907638	22421400	22421400	9.999893	11.586743
72	9907607	16852250	16852250	9.999891	11.580398
71	9907576	11283100	11283100	9.999890	11.574052
70	9907545	5714000	5714000	9.999888	11.567707
69	9907514	15	15	9.999886	11.561361
68	9907483	437236147	437410471	9.999885	11.555016
67	9907452	433082138	434007135	9.999883	11.548670
66	9907421	430717955	430814035	9.999882	11.542325
65	9907390	427503483	427619485	9.999881	11.535979
64	9907359	424289011	424415144	9.999879	11.529634
63	9907328	421074539	421333060	9.999877	11.523288
62	9907297	417860067	418227223	9.999876	11.516943
61	9907266	414645595	415236953	9.999874	11.510597
60	9907235	411431123	412330380	9.999872	11.504252
59	9907204	408216651	409228620	9.999870	11.497906
58	9907173	405002179	406036864	9.999868	11.491561
57	9907142	401787707	403532714	9.999866	11.485215
56	9907111	398573235	400711787	9.999865	11.478870
55	9907080	395358763	397989349	9.999863	11.472524
54	9907049	392144291	394787489	9.999861	11.466179
53	9907018	388929819	392585629	9.999860	11.459833
52	9906987	385715347	390383769	9.999857	11.453488
51	9906956	382500875	388181909	9.999856	11.447142
50	9906925	379286403	385980049	9.999854	11.440797

M.	Sinu.	Tangen.	Secant.	Log Sin.	Log Tan.
50	264769	261859	10003428	8.417919	8.418008
51	265514	261606	10003474	8.420004	8.420085
52	265999	261352	10003520	8.422070	8.422153
53	267003	261099	10003566	8.424117	8.424192
54	267748	260845	10003611	8.426146	8.426221
55	267993	260592	10003656	8.428156	8.428231
56	272238	272238	10003708	8.434948	8.435109
57	273082	272985	10003754	8.437722	8.437886
58	273727	271832	10003803	8.440479	8.440644
59	274772	271578	10003852	8.443219	8.443386
60	279216	279216	10003900	8.449941	8.449110
61	280961	281072	10003949	8.448646	8.448817
62	282705	282819	10003996	8.451334	8.451508
63	284450	284665	10004048	8.454000	8.454182
64	286194	286412	10004098	8.456662	8.456840
65	287939	288159	10004148	8.459301	8.459481
66	289684	289806	10004198	8.461924	8.462107
67	291429	291552	10004249	8.464532	8.464717
68	293173	293299	10004300	8.467124	8.467311
69	294918	295046	10004351	8.469701	8.469890
70	296662	296793	10004403	8.472262	8.472454
71	298407	298540	10004454	8.474809	8.475002
72	300151	300287	10004507	8.477340	8.477536
73	301896	302034	10004560	8.479857	8.480055
74	303640	303789	10004613	8.482360	8.482560
75	305385	305527	10004666	8.484848	8.485050
76	307130	307274	10004720	8.487322	8.487526
77	308874	309021	10004773	8.489781	8.489989
78	310618	310768	10004827	8.492237	8.492437
79	312363	312515	10004881	8.494680	8.494872
80	314107	314262	10004937	8.497108	8.497293
81	315852	316010	10004992	8.499524	8.499700
82	317596	317757	10005047	8.501926	8.502095
83	319341	319504	10005103	8.504314	8.504476
84	321085	321251	10005159	8.506680	8.506844
85	322830	323098	10005215	8.509073	8.509230
86	324574	324745	10005271	8.511444	8.511545
87	326318	326492	10005328	8.513842	8.513893
88	328063	328240	10005385	8.516257	8.516311
89	329807	329987	10005443	8.518660	8.518717
90	331552	331734	10005501	8.521051	8.521090
91	333296	333481	10005559	8.523430	8.523471
92	335040	335229	10005617	8.525797	8.525841
93	336785	336976	10005676	8.528152	8.528199
94	338529	338723	10005735	8.530496	8.530545
95	340273	340470	10005794	8.532828	8.532880
96	342018	342218	10005854	8.535149	8.535203
97	343762	343965	10005914	8.537458	8.537515
98	345506	345713	10005974	8.539756	8.539815
99	347250	347460	10006034	8.542043	8.542104
	348995	349207	10006095	8.544319	8.544384

# II. Grad.

Lat.	Decl.	Tangen.	Secant.	La Sin.	Log. Tan.
90	9994592	999884592	382995700	9.999884592	11.481992
89	9994579	999884430	379988176	9.999884430	11.477004
88	9994561	999884268	376988136	9.999884268	11.472017
87	9994543	999884106	374988128	9.999884106	11.467030
86	9994528	999883944	372988117	9.999883944	11.462047
85	9994511	999883782	369988122	9.999883782	11.457065
84	9994493	999883620	367988100	9.999883620	11.452080
83	9994476	999883458	364988044	9.999883458	11.447094
82	9994458	999883296	362988000	9.999883296	11.442108
81	9994441	999883134	360987970	9.999883134	11.437122
80	9994424	999882972	358987938	9.999882972	11.432136
79	9994406	999882810	355987882	9.999882810	11.427150
78	9994389	999882648	353987840	9.999882648	11.422164
77	9994371	999882486	351987798	9.999882486	11.417178
76	9994354	999882324	349987756	9.999882324	11.412192
75	9994336	999882162	347987714	9.999882162	11.407206
74	9994319	999882000	345987672	9.999882000	11.402220
73	9994301	999881838	343987630	9.999881838	11.397234
72	9994284	999881676	341987588	9.999881676	11.392248
71	9994266	999881514	339987546	9.999881514	11.387262
70	9994249	999881352	337987504	9.999881352	11.382276
69	9994231	999881190	335987462	9.999881190	11.377290
68	9994214	999881028	333987420	9.999881028	11.372304
67	9994196	999880866	331987378	9.999880866	11.367318
66	9994179	999880704	329987336	9.999880704	11.362332
65	9994161	999880542	327987294	9.999880542	11.357346
64	9994144	999880380	325987252	9.999880380	11.352360
63	9994126	999880218	323987210	9.999880218	11.347374
62	9994109	999880056	321987168	9.999880056	11.342388
61	9994091	999879894	319987126	9.999879894	11.337402
60	9994074	999879732	317987084	9.999879732	11.332416
59	9994056	999879570	315987042	9.999879570	11.327430
58	9994039	999879408	313987000	9.999879408	11.322444
57	9994021	999879246	311986958	9.999879246	11.317458
56	9994004	999879084	309986916	9.999879084	11.312472
55	9993986	999878922	307986874	9.999878922	11.307486
54	9993969	999878760	305986832	9.999878760	11.302500
53	9993951	999878598	303986790	9.999878598	11.297514
52	9993934	999878436	301986748	9.999878436	11.292528
51	9993916	999878274	299986706	9.999878274	11.287542
50	9993899	999878112	297986664	9.999878112	11.282556
49	9993881	999877950	295986622	9.999877950	11.277570
48	9993864	999877788	293986580	9.999877788	11.272584
47	9993846	999877626	291986538	9.999877626	11.267598
46	9993829	999877464	289986496	9.999877464	11.262612
45	9993811	999877302	287986454	9.999877302	11.257626
44	9993794	999877140	285986412	9.999877140	11.252640
43	9993776	999876978	283986370	9.999876978	11.247654
42	9993759	999876816	281986328	9.999876816	11.242668
41	9993741	999876654	279986286	9.999876654	11.237682
40	9993724	999876492	277986244	9.999876492	11.232696
39	9993706	999876330	275986202	9.999876330	11.227710
38	9993689	999876168	273986160	9.999876168	11.222724
37	9993671	999876006	271986118	9.999876006	11.217738
36	9993654	999875844	269986076	9.999875844	11.212752
35	9993636	999875682	267986034	9.999875682	11.207766
34	9993619	999875520	265985992	9.999875520	11.202780
33	9993601	999875358	263985950	9.999875358	11.197794
32	9993584	999875196	261985908	9.999875196	11.192808
31	9993566	999875034	259985866	9.999875034	11.187822
30	9993549	999874872	257985824	9.999874872	11.182836
29	9993531	999874710	255985782	9.999874710	11.177850
28	9993514	999874548	253985740	9.999874548	11.172864
27	9993496	999874386	251985698	9.999874386	11.167878
26	9993479	999874224	249985656	9.999874224	11.162892
25	9993461	999874062	247985614	9.999874062	11.157906
24	9993444	999873900	245985572	9.999873900	11.152920
23	9993426	999873738	243985530	9.999873738	11.147934
22	9993409	999873576	241985488	9.999873576	11.142948
21	9993391	999873414	239985446	9.999873414	11.137962
20	9993374	999873252	237985404	9.999873252	11.132976
19	9993356	999873090	235985362	9.999873090	11.127990
18	9993339	999872928	233985320	9.999872928	11.123004
17	9993321	999872766	231985278	9.999872766	11.118018
16	9993304	999872604	229985236	9.999872604	11.113032
15	9993286	999872442	227985194	9.999872442	11.108046
14	9993269	999872280	225985152	9.999872280	11.103060
13	9993251	999872118	223985110	9.999872118	11.098074
12	9993234	999871956	221985068	9.999871956	11.093088
11	9993216	999871794	219985026	9.999871794	11.088102
10	9993199	999871632	217984984	9.999871632	11.083116
9	9993181	999871470	215984942	9.999871470	11.078130
8	9993164	999871308	213984900	9.999871308	11.073144
7	9993146	999871146	211984858	9.999871146	11.068158
6	9993129	999870984	209984816	9.999870984	11.063172
5	9993111	999870822	207984774	9.999870822	11.058186
4	9993094	999870660	205984732	9.999870660	11.053200
3	9993076	999870498	203984690	9.999870498	11.048214
2	9993059	999870336	201984648	9.999870336	11.043228
1	9993041	999870174	199984606	9.999870174	11.038242
0	9993024	999870012	197984564	9.999870012	11.033256

M.	Sinus	Tangen	Secant.	Lo. Sin.	Lo. Tan.
0	348995	349207	10006095	8.542819	8.543084
1	350739	350955	10006156	8.544984	8.545251
2	352483	352702	10006218	8.547130	8.547409
3	354227	354450	10006280	8.549282	8.549555
4	355972	356197	10006342	8.551416	8.551691
5	357716	357945	10006404	8.553538	8.553816
6	359460	359693	10006467	8.555651	8.555932
7	361204	361440	10006530	8.557753	8.558037
8	362948	363188	10006593	8.559845	8.560131
9	364693	364935	10006656	8.561927	8.562216
10	366437	366683	10006720	8.563999	8.564291
11	368181	368431	10006785	8.566061	8.566356
12	369925	370179	10006849	8.568114	8.568411
13	371669	371926	10006914	8.570157	8.570457
14	373415	373674	10006979	8.572190	8.572493
15	375158	375422	10007044	8.574214	8.574520
16	376902	377170	10007110	8.576228	8.576537
17	378646	378917	10007176	8.578233	8.578545
18	380390	380665	10007242	8.580223	8.580543
19	382134	382413	10007309	8.582216	8.582533
20	383878	384161	10007376	8.584193	8.584513
21	385622	385909	10007443	8.586168	8.586485
22	387366	387657	10007511	8.588121	8.588448
23	389110	389405	10007579	8.590072	8.590401
24	390854	391153	10007647	8.592015	8.592347
25	392598	392901	10007715	8.593948	8.594283
26	394342	394649	10007784	8.595873	8.596211
27	396086	396397	10007853	8.597789	8.598130
28	397830	398145	10007923	8.599697	8.600041
29	399574	399893	10007992	8.601597	8.601944
30	401318	401641	10008062	8.603488	8.603838
31	403062	403389	10008133	8.605371	8.605725
32	404806	405138	10008203	8.607246	8.607603
33	406549	406886	10008274	8.609113	8.609473
34	408293	408634	10008345	8.610973	8.611335
35	410037	401382	10008417	8.612823	8.613169
36	411781	412131	10008489	8.614666	8.615035
37	413525	413879	10008561	8.616502	8.616873
38	415269	415627	10008633	8.618329	8.618704
39	417013	417376	10008706	8.620149	8.620527
40	418756	419124	10008779	8.621961	8.622343
41	420500	420872	10008853	8.623766	8.624150
42	422244	422621	10008926	8.625563	8.625951
43	423988	424369	10009000	8.627353	8.627744
44	425731	426117	10009075	8.629136	8.629530
45	427475	427866	10009149	8.630911	8.631308
46	429219	429615	10009224	8.632679	8.633079
47	430963	431363	10009299	8.634440	8.634843
48	432706	433112	10009375	8.636193	8.636600
49	434450	434861	10009451	8.637940	8.638350
50	436194	436609	10009527	8.639679	8.640033



M.	Sin.	Tangen.	Secant.	Lo Sin.	Log Tan.
100	9.993208	286364533	286537083	9.999735	11.456916
99	9.993187	286366683	2865371206	9.999733	11.454748
98	9.993165	286374944	2865370124	9.999730	11.452591
97	9.993142	286383108	2865369427	9.999727	11.450445
96	9.993119	286391272	2865368701	9.999724	11.448303
95	9.993096	279372333	279551244	9.999722	11.446183
94	9.993073	278014906	278194784	9.999719	11.444068
93	9.993050	276670767	276851428	9.999716	11.441963
92	9.993027	275339458	275512092	9.999714	11.439868
91	9.993004	274020883	274203291	9.999711	11.437783
90	9.992981	272714861	272398141	9.999708	11.435709
89	9.992958	271421213	271605366	9.999705	11.433644
88	9.992935	270139763	270324789	9.999702	11.431588
87	9.992912	268870340	269056239	9.999700	11.429543
86	9.992889	267612776	267799547	9.999697	11.427507
85	9.992866	266366904	266554549	9.999694	11.425480
84	9.992843	265132563	265321081	9.999691	11.423463
83	9.992820	263909593	264098083	9.999688	11.421455
82	9.992797	262697837	262888101	9.999685	11.419456
81	9.992774	261497142	261688279	9.999682	11.417467
80	9.992751	260307358	260499368	9.999679	11.415486
79	9.992728	259128335	259321218	9.999676	11.413515
78	9.992705	257959929	258153685	9.999673	11.411552
77	9.992682	256801997	256996626	9.999670	11.409598
76	9.992659	255654399	255849900	9.999668	11.407653
75	9.992636	254516996	254713370	9.999665	11.405717
74	9.992613	253389653	253586901	9.999662	11.403789
73	9.992590	252272238	252470359	9.999659	11.401869
72	9.992567	251164619	251363613	9.999656	11.399958
71	9.992544	250066669	250266536	9.999653	11.398056
70	9.992521	2489918262	249179002	9.999650	11.396161
69	9.992498	2478999212	248100885	9.999647	11.394275
68	9.992475	246829580	247032065	9.999644	11.392397
67	9.992452	245769064	245972423	9.999641	11.390527
66	9.992429	244717608	244921839	9.999638	11.388665
65	9.992406	243675095	243880200	9.999634	11.386811
64	9.992383	242641412	242847390	9.999631	11.384965
63	9.992360	241616447	241822298	9.999628	11.383126
62	9.992337	240600090	240807815	9.999625	11.381296
61	9.992314	239592234	239800831	9.999622	11.379473
60	9.992291	238592272	238802242	9.999619	11.377657
59	9.992268	237601599	237811942	9.999616	11.375849
58	9.992245	236618613	236829829	9.999612	11.374049
57	9.992222	235643712	235855801	9.999609	11.372256
56	9.992199	234676798	234880760	9.999606	11.370470
55	9.992176	233717772	233931607	9.999603	11.368692
54	9.992153	232766538	232981247	9.999599	11.366920
53	9.992130	231823002	232038583	9.999596	11.365156
52	9.992107	230887070	231102525	9.999593	11.363399
51	9.992084	229958651	230175979	9.999589	11.361650
50	9.992061	229037655	229255856	9.999586	11.359927

M.	Sinus	Tangen	Secant	Co Sin.	Co Tan.
50	436194	436609	10009537	8.642078	8.642033
51	437937	438318	10009603	8.641412	8.641839
52	439681	440107	10009680	8.640738	8.641518
53	441424	441855	10009757	8.640058	8.641230
54	443168	443604	10009834	8.639369	8.640925
55	444912	445353	10009912	8.638674	8.640604
56	446655	447102	10009990	8.637973	8.640276
57	448399	448850	10010068	8.637265	8.639942
58	450143	450599	10010147	8.636550	8.639599
59	451886	452348	10010226	8.635829	8.639247
60	453630	454097	10010305	8.635101	8.638888
61	455373	455846	10010384	8.634367	8.638518
62	457117	457595	10010464	8.633627	8.638141
63	458860	459344	10010544	8.632880	8.637758
64	460604	461093	10010625	8.632127	8.637369
65	462347	462842	10010705	8.631368	8.636974
66	464091	464591	10010786	8.630603	8.636571
67	465834	466340	10010868	8.629831	8.636160
68	467577	468089	10010949	8.629054	8.635742
69	469321	469839	10011031	8.628270	8.635319
70	471064	471588	10011113	8.627480	8.634892
71	472808	473337	10011196	8.626685	8.634460
72	474551	475086	10011279	8.625883	8.634023
73	476294	476836	10011362	8.625075	8.633581
74	478038	478585	10011445	8.624262	8.633134
75	479781	480334	10011529	8.623443	8.632682
76	481524	482083	10011613	8.622618	8.632226
77	483268	483833	10011698	8.621788	8.631765
78	485011	485582	10011782	8.620953	8.631300
79	486754	487332	10011867	8.620113	8.630831
80	488497	489081	10011953	8.619268	8.630358
81	490241	490831	10012038	8.618419	8.629881
82	491984	492580	10012124	8.617565	8.629399
83	493727	494330	10012210	8.616707	8.628913
84	495470	496080	10012297	8.615844	8.628423
85	497214	497829	10012384	8.614977	8.627929
86	498957	499579	10012471	8.614106	8.627431
87	500700	501329	10012558	8.613231	8.626929
88	502443	503078	10012646	8.612352	8.626423
89	504186	504828	10012734	8.611469	8.625914
90	505929	506578	10012823	8.610582	8.625401
91	507672	508328	10012911	8.609691	8.624885
92	509415	510078	10013000	8.608797	8.624366
93	511158	511828	10013090	8.607899	8.623843
94	512901	513577	10013179	8.606998	8.623317
95	514644	515327	10013269	8.606093	8.622788
96	516387	517077	10013359	8.605185	8.622256
97	518130	518827	10013450	8.604273	8.621721
98	519873	520577	10013541	8.603358	8.621183
99	521616	522327	10013632	8.602440	8.620643
	523359	524078	10013723	8.601519	8.620100

Lat.	Janu.	Febru.	March.	Apr. May.	June
30	9990482	229937655	229955856	9-999086	11-359907
40	9990406	228123993	228543067	9-999183	11-358171
45	9990320	227417578	227837735	9-999180	11-356442
48	9990152	226318323	226339143	9-999176	11-354720
46	9990175	225426144	225777837	9-999173	11-353004
45	9990098	224549959	224923335	9-999170	11-351315
44	9990020	223662684	223886123	9-999166	11-349593
43	9990042	222791240	223015553	9-999163	11-347898
42	9989963	221926546	222151731	9-999159	11-346209
41	9989885	221068525	221294584	9-999156	11-344527
40	9989805	220217100	220444322	9-999152	11-342851
39	9989726	219373195	219599959	9-999149	11-341181
38	9989647	218533734	218762414	9-999146	11-339518
37	9989569	217701646	217931197	9-999142	11-337862
36	9989486	216878517	217106281	9-999139	11-336211
35	9989406	216059296	216287593	9-999135	11-334567
34	9989325	215242892	215475062	9-999132	11-332929
33	9989244	214435578	214666621	9-999128	11-331297
32	9989163	213634283	213868260	9-999125	11-329674
31	9989081	212834042	213073732	9-999121	11-328054
30	9989000	212049483	212285151	9-999117	11-326437
29	9988916	211265856	211502392	9-999114	11-324829
28	9988834	210487981	210725590	9-999110	11-323227
27	9988751	209715801	209954084	9-999107	11-321631
26	9988669	208949523	209188409	9-999103	11-320041
25	9988584	208188276	208428305	9-999100	11-318456
24	9988500	207432309	207673711	9-999096	11-316877
23	9988416	206682702	206924667	9-999092	11-315304
22	9988331	205938167	206180815	9-999088	11-313737
21	9988246	205198875	205442397	9-999085	11-312171
20	9988161	204464860	204709255	9-999081	11-310618
19	9988075	203737066	203981334	9-999077	11-309068
18	9987990	203012435	203258577	9-999074	11-307522
17	9987904	202293915	202540929	9-999070	11-305981
16	9987818	201580451	201828338	9-999066	11-304443
15	9987731	200871986	201120750	9-999062	11-302919
14	9987644	200168471	200418111	9-999059	11-301398
13	9987557	199469864	199720372	9-999055	11-299879
12	9987469	198776099	199027479	9-999051	11-298364
11	9987382	198087130	198339384	9-999047	11-296856
10	9987293	197402009	197650936	9-999043	11-295353
9	9987205	196723387	196977387	9-999040	11-293856
8	9987116	196048515	196303338	9-999036	11-292363
7	9987027	195378245	195633992	9-999032	11-290876
6	9986938	194714531	194965151	9-999028	11-289394
5	9986848	194049127	194308822	9-999024	11-287916
4	9986758	193394586	193652052	9-999020	11-286444
3	9986668	192742264	193001505	9-999016	11-284977
2	9986577	192094316	192354428	9-999012	11-283514
1	9986486	191450608	191711684	9-999008	11-282057
0	9986395	190811267	191073226	9-999004	22-280604

M	Sinus	Tangen	Secant	Lo Sin.	Lo Tan.
0	523359	524078	10013723	8.718800	8.719966
1	525102	525828	10013815	8.720144	8.720843
2	526845	527575	10013907	8.721483	8.722187
3	528588	529328	10013999	8.722817	8.723525
4	530331	531078	10014092	8.724157	8.724859
5	532074	532829	10014185	8.725492	8.726187
6	533817	534579	10014278	8.726832	8.727501
7	535560	536329	10014372	8.728168	8.728811
8	537302	538080	10014466	8.729501	8.730119
9	539045	539830	10014560	8.730835	8.731427
10	540788	541580	10014655	8.732172	8.732733
11	542531	543331	10014749	8.733504	8.734039
12	544273	545081	10014844	8.734837	8.735346
13	546016	546832	10014940	8.736172	8.736653
14	547759	548583	10015036	8.737504	8.737961
15	549502	550333	10015132	8.738837	8.739268
16	551244	552084	10015228	8.740172	8.740575
17	552987	553834	10015325	8.741504	8.741883
18	554730	555585	10015422	8.742837	8.743191
19	556472	557336	10015519	8.744172	8.744499
20	558215	559087	10015617	8.745504	8.745807
21	559957	560837	10015714	8.746837	8.747115
22	561700	562588	10015812	8.748172	8.748423
23	563443	564339	10015911	8.749504	8.749731
24	565185	566090	10016010	8.750837	8.751039
25	566928	567841	10016109	8.752172	8.752347
26	568670	569592	10016208	8.753504	8.753655
27	570413	571343	10016308	8.754837	8.754963
28	572155	573094	10016408	8.756172	8.756271
29	573898	574845	10016509	8.757504	8.757579
30	575640	576596	10016609	8.758837	8.758887
31	577382	578347	10016710	8.760172	8.760195
32	579125	580099	10016811	8.761504	8.761503
33	580867	581850	10016913	8.762837	8.762811
34	582610	583601	10017015	8.764172	8.764116
35	584352	585352	10017117	8.765504	8.765417
36	586094	587104	10017219	8.766837	8.766715
37	587837	588855	10017322	8.768172	8.768008
38	589579	590606	10017425	8.769504	8.769398
39	591321	592358	10017529	8.770837	8.770784
40	593064	594109	10017633	8.772172	8.772166
41	594806	595861	10017737	8.773504	8.773545
42	596548	597612	10017841	8.774837	8.774912
43	598290	599364	10017946	8.776172	8.776291
44	600032	601115	10018051	8.777504	8.777598
45	601775	602867	10018156	8.778837	8.778923
46	603517	604619	10018261	8.780172	8.780182
47	605259	606371	10018367	8.781504	8.781419
48	607001	608122	10018473	8.782837	8.782738
49	608743	609874	10018580	8.784172	8.784040
50	610485	611626	10018687	8.785504	8.785486

M.	Sin.	Tangen.	Secant.	Ln. Sin.	Ln. Tan.
100	9986295	190811367	191073226	9.9994204	11.280604
99	9986204	190176280	190439012	9.9994000	11.279196
98	9986112	189545395	189809001	9.999396	11.277713
97	9986020	188918671	189181160	9.999392	11.276275
96	9985927	188296065	188561418	9.999388	11.274841
95	9985835	187677539	187934765	9.999384	11.273412
94	9985743	187063052	187330151	9.999380	11.271988
93	9985648	186452564	186720526	9.999376	11.270568
92	9985555	185846036	186114882	9.999372	11.269153
91	9985461	185243431	185513149	9.999368	11.267745
90	9985367	184644709	184915301	9.999364	11.266337
89	9985272	184049834	184321299	9.999360	11.264935
88	9985177	183458769	183731107	9.999356	11.263538
87	9985082	182871476	183144688	9.999351	11.262146
86	9984987	182287921	182562006	9.999347	11.260758
85	9984891	181708067	181983202	9.999343	11.259374
84	9984795	181131879	181407711	9.999339	11.257995
83	9984698	180559323	180836028	9.999335	11.256620
82	9984602	179990364	180267942	9.999331	11.255249
81	9984505	179424969	179703421	9.999326	11.253883
80	9984407	178863104	179134229	9.999322	11.252521
79	9984310	178304735	178564934	9.999318	11.251163
78	9984212	177749832	178000004	9.999314	11.249809
77	9984114	177198360	177438306	9.999310	11.248459
76	9984015	176650290	1768793108	9.999305	11.247114
75	9983917	176105588	176323280	9.999301	11.245773
74	9983817	175564225	1757848790	9.999296	11.244436
73	9983718	175026169	1752431668	9.999292	11.243103
72	9983618	174491300	1747077702	9.999288	11.241774
71	9983518	173959859	174179444	9.999283	11.240449
70	9983418	173431545	173649694	9.999279	11.239128
69	9983317	172906421	1731194353	9.999275	11.237811
68	9983216	172384496	1725942162	9.999270	11.236498
67	9983115	171865623	172156302	9.999266	11.235189
66	9983014	171349892	1717164145	9.999261	11.233884
65	9982912	170837238	17128664	9.999257	11.232582
64	9982810	170327631	170856931	9.999253	11.231285
63	9982707	169821046	1704271519	9.999248	11.229991
62	9982604	169317454	1699973501	9.999244	11.228702
61	9982501	168816830	1695675501	9.999239	11.227416
60	9982398	168319143	1691376941	9.999235	11.226133
59	9982294	167824381	168707848	9.999230	11.224855
58	9982190	167332504	1682780144	9.999226	11.223580
57	9982086	166843492	1678481905	9.999221	11.222309
56	9981982	166357319	1674183606	9.999217	11.221042
55	9981877	165873962	1669885122	9.999212	11.219778
54	9981772	165393395	1665586428	9.999207	11.218518
53	9981666	164915594	1661287501	9.999203	11.217262
52	9981560	164440336	165698817	9.999198	11.216009
51	9981454	163968198	165268852	9.999194	11.214759
50	9981348	163498555	164838823	9.999189	11.213514

M.	Suma.	Tang.	Secant.	Log. Sin.	Lo. Tan.
30	610484	611665	10018889	8.784683	8.785886
31	612276	613378	10018994	8.785983	8.787228
32	613969	615130	10019101	8.787283	8.788569
33	615711	616882	10019209	8.788583	8.789901
34	617453	618634	10019317	8.789883	8.791238
35	619195	620386	10019425	8.791183	8.792561
36	620937	622138	10019534	8.792483	8.793887
37	622679	623890	10019643	8.793783	8.795208
38	624421	625642	10019752	8.795083	8.796525
39	626163	627394	10019862	8.796383	8.797840
40	627905	629146	10019972	8.797683	8.799152
41	629647	630898	10020082	8.798983	8.799960
42	631389	632651	10020192	8.800283	8.801164
43	633131	634403	10020303	8.801583	8.802364
44	634872	636156	10020414	8.802883	8.803568
45	636614	637908	10020525	8.804183	8.804768
46	638356	639661	10020637	8.805483	8.805960
47	640098	641413	10020749	8.806783	8.807158
48	641839	643166	10020862	8.808083	8.808353
49	643581	644918	10020974	8.809383	8.809545
50	645323	646671	10021087	8.810683	8.810731
51	647065	648423	10021200	8.811983	8.811919
52	648806	650176	10021314	8.813283	8.813101
53	650548	651929	10021428	8.814583	8.814280
54	652289	653682	10021542	8.815883	8.815456
55	654031	655434	10021657	8.817183	8.816639
56	655772	657187	10021772	8.818483	8.817821
57	657514	658940	10021887	8.819783	8.819000
58	659256	660693	10022002	8.821083	8.820176
59	660997	662446	10022117	8.822383	8.821350
60	662739	664199	10022232	8.823683	8.822523
61	664480	665952	10022347	8.824983	8.823695
62	666222	667705	10022462	8.826283	8.824867
63	667963	669458	10022577	8.827583	8.826038
64	669705	671212	10022692	8.828883	8.827209
65	671446	672965	10022807	8.830183	8.828380
66	673187	674718	10022922	8.831483	8.829551
67	674929	676471	10023037	8.832783	8.830722
68	676670	678225	10023152	8.834083	8.831893
69	678411	679978	10023267	8.835383	8.833064
70	680153	681731	10023382	8.836683	8.834235
71	681894	683485	10023497	8.837983	8.835406
72	683635	685238	10023612	8.839283	8.836577
73	685376	686992	10023727	8.840583	8.837748
74	687118	688746	10023842	8.841883	8.838919
75	688859	690499	10023957	8.843183	8.840090
76	690600	692253	10024072	8.844483	8.841261
77	692341	694007	10024187	8.845783	8.842432
78	694082	695760	10024302	8.847083	8.843603
79	695823	697514	10024417	8.848383	8.844774
80	697565	699268	10024532	8.849683	8.845945



M	Sinus.	Tang.	Secant.	Log. Sin.	Log. Tan.
50	9981248	169428195	169804082	9.999189	11.213514
49	9981241	169021584	169337982	9.999184	11.212372
48	9981134	168557664	168874738	9.999180	11.211033
47	9981027	168104971	168413719	9.999175	11.209798
46	9980919	167653483	167955505	9.999170	11.208566
45	9980811	167203978	167499723	9.999166	11.207338
44	9980703	166756035	167046504	9.999161	11.206113
43	9980594	166309631	166595274	9.999156	11.204892
42	9980486	165864746	166146102	9.999151	11.203674
41	9980377	165421399	165698748	9.999147	11.202459
40	9980267	164979548	165253111	9.999142	11.201248
39	9980157	164539194	164809130	9.999137	11.200040
38	9980047	164099341	164366834	9.999132	11.198835
37	9979937	163660971	163926135	9.999128	11.197634
36	9979826	163224084	163487021	9.999123	11.196436
35	9979715	162788682	163049503	9.999118	11.195242
34	9979604	162354767	162613667	9.999113	11.194050
33	9979493	161922340	162179507	9.999108	11.192862
32	9979381	161491400	161747021	9.999103	11.191677
31	9979268	161061938	161316105	9.999099	11.190495
30	9979156	160633941	160886730	9.999094	11.189316
29	9979043	160207404	160458906	9.999089	11.188141
28	9978930	159782321	160032626	9.999084	11.186969
27	9978817	159358694	159607883	9.999079	11.185799
26	9978703	158936521	159184688	9.999074	11.184633
25	9978589	158515801	158763033	9.999069	11.183470
24	9978475	158096531	158342918	9.999064	11.182311
23	9978360	157678710	157924343	9.999059	11.181154
22	9978245	157262339	157507308	9.999054	11.180000
21	9978130	156847418	157091813	9.999049	11.178849
20	9978014	156433947	156677858	9.999044	11.177701
19	9977899	156021926	156265453	9.999039	11.176557
18	9977783	155611355	155854598	9.999034	11.175415
17	9977666	155202234	155445293	9.999029	11.174276
16	9977549	154794563	155037538	9.999024	11.173140
15	9977432	154388342	154631333	9.999019	11.172007
14	9977315	153983571	154226578	9.999013	11.170877
13	9977197	153580250	153823273	9.999008	11.169750
12	9977079	153178379	153421418	9.999003	11.168626
11	9976961	152777958	153021013	9.998998	11.167505
10	9976843	152378987	152622058	9.998993	11.166386
9	9976724	151981466	152224553	9.998988	11.165271
8	9976605	151585395	151828498	9.998983	11.164158
7	9976486	151190774	151433893	9.998977	11.163048
6	9976366	150797603	151040738	9.998972	11.161941
5	9976246	150405882	150649033	9.998967	11.160837
4	9976125	150015611	150258778	9.998962	11.159735
3	9976004	149626790	150068923	9.998956	11.158636
2	9975883	149239419	149679468	9.998951	11.157540
1	9975762	148853498	149291413	9.998946	11.156447
0	9975640	148469027	148904758	9.998941	11.155356

M	Sum.	Time	Secum.	La. Sig.	La. Time
0	69756	69756	1000419	8.847514	8.847514
1	69936	70002	1000441	8.848567	8.848567
2	70116	70078	1000464	8.849727	8.849727
3	70296	70154	1000487	8.850894	8.850894
4	70476	70230	1000510	8.852069	8.852069
5	70656	70306	1000533	8.853250	8.853250
6	70836	70382	1000556	8.854438	8.854438
7	71016	71445	1000579	8.855633	8.855633
8	71196	71305	1000602	8.856835	8.856835
9	71376	71404	1000625	8.858044	8.858044
10	71556	71502	1000648	8.859260	8.859260
11	71736	71599	1000671	8.860483	8.860483
12	71916	71697	1000694	8.861714	8.861714
13	72096	71795	1000717	8.862952	8.862952
14	72276	71893	1000740	8.864197	8.864197
15	72456	71991	1000763	8.865449	8.865449
16	72636	72089	1000786	8.866708	8.866708
17	72816	72187	1000809	8.867974	8.867974
18	72996	72285	1000832	8.869247	8.869247
19	73176	72383	1000855	8.870527	8.870527
20	73356	72481	1000878	8.871814	8.871814
21	73536	72579	1000901	8.873108	8.873108
22	73716	72677	1000924	8.874409	8.874409
23	73896	72775	1000947	8.875717	8.875717
24	74076	72873	1000970	8.877032	8.877032
25	74256	72971	1000993	8.878354	8.878354
26	74436	73069	1001016	8.879683	8.879683
27	74616	73167	1001039	8.881019	8.881019
28	74796	73265	1001062	8.882362	8.882362
29	74976	73363	1001085	8.883712	8.883712
30	75156	73461	1001108	8.885069	8.885069
31	75336	73559	1001131	8.886433	8.886433
32	75516	73657	1001154	8.887804	8.887804
33	75696	73755	1001177	8.889182	8.889182
34	75876	73853	1001200	8.890567	8.890567
35	76056	73951	1001223	8.891959	8.891959
36	76236	74049	1001246	8.893358	8.893358
37	76416	74147	1001269	8.894764	8.894764
38	76596	74245	1001292	8.896177	8.896177
39	76776	74343	1001315	8.897597	8.897597
40	76956	74441	1001338	8.899024	8.899024
41	77136	74539	1001361	8.900458	8.900458
42	77316	74637	1001384	8.901899	8.901899
43	77496	74735	1001407	8.903347	8.903347
44	77676	74833	1001430	8.904802	8.904802
45	77856	74931	1001453	8.906264	8.906264
46	78036	75029	1001476	8.907733	8.907733
47	78216	75127	1001499	8.909209	8.909209
48	78396	75225	1001522	8.910692	8.910692
49	78576	75323	1001545	8.912182	8.912182
50	78756	75421	1001568	8.913679	8.913679
51	78936	75519	1001591	8.915183	8.915183
52	79116	75617	1001614	8.916694	8.916694

Al	Vinsu	Langen	Scansu	Al	Langen
100	997560	1402666	1402666	997561	11145916
99	997518	14026874	14026874	997562	11145917
98	997506	14026964	14026964	997563	11145918
97	997504	14027017	14027017	997564	11145919
96	997503	14027021	14027021	997565	11145920
95	997502	14027031	14027031	997566	11145921
94	997501	14027032	14027032	997567	11145922
93	997500	14027033	14027033	997568	11145923
92	997499	14027034	14027034	997569	11145924
91	997498	14027035	14027035	997570	11145925
90	997497	14027036	14027036	997571	11145926
89	997496	14027037	14027037	997572	11145927
88	997495	14027038	14027038	997573	11145928
87	997494	14027039	14027039	997574	11145929
86	997493	14027040	14027040	997575	11145930
85	997492	14027041	14027041	997576	11145931
84	997491	14027042	14027042	997577	11145932
83	997490	14027043	14027043	997578	11145933
82	997489	14027044	14027044	997579	11145934
81	997488	14027045	14027045	997580	11145935
80	997487	14027046	14027046	997581	11145936
79	997486	14027047	14027047	997582	11145937
78	997485	14027048	14027048	997583	11145938
77	997484	14027049	14027049	997584	11145939
76	997483	14027050	14027050	997585	11145940
75	997482	14027051	14027051	997586	11145941
74	997481	14027052	14027052	997587	11145942
73	997480	14027053	14027053	997588	11145943
72	997479	14027054	14027054	997589	11145944
71	997478	14027055	14027055	997590	11145945
70	997477	14027056	14027056	997591	11145946
69	997476	14027057	14027057	997592	11145947
68	997475	14027058	14027058	997593	11145948
67	997474	14027059	14027059	997594	11145949
66	997473	14027060	14027060	997595	11145950
65	997472	14027061	14027061	997596	11145951
64	997471	14027062	14027062	997597	11145952
63	997470	14027063	14027063	997598	11145953
62	997469	14027064	14027064	997599	11145954
61	997468	14027065	14027065	997600	11145955
60	997467	14027066	14027066	997601	11145956
59	997466	14027067	14027067	997602	11145957
58	997465	14027068	14027068	997603	11145958
57	997464	14027069	14027069	997604	11145959
56	997463	14027070	14027070	997605	11145960
55	997462	14027071	14027071	997606	11145961
54	997461	14027072	14027072	997607	11145962
53	997460	14027073	14027073	997608	11145963
52	997459	14027074	14027074	997609	11145964
51	997458	14027075	14027075	997610	11145965
50	997457	14027076	14027076	997611	11145966

M.	First	Temp.	Secant.	Lo. Sin.	Lo. Tan.
50	784991	787017	10030922	8.895643	8.895984
51	786331	788773	10031060	8.895601	8.895913
52	788571	790129	10031198	8.895605	8.895918
53	790810	792220	10031336	8.895611	8.895921
54	793150	794028	10031475	8.895617	8.895924
55	795390	795750	10031615	8.895623	8.895928
56	797630	797555	10031754	8.895628	8.895930
57	799870	799311	10031894	8.895633	8.895931
58	802110	801068	10032034	8.895638	8.895936
59	804349	802824	10032174	8.895643	8.895938
60	806589	804581	10032315	8.895648	8.895940
61	808829	806337	10032456	8.895653	8.895941
62	811068	808094	10032597	8.895658	8.895946
63	813308	809851	10032739	8.895663	8.895948
64	815548	811608	10032881	8.895668	8.895950
65	817787	813364	10033023	8.895673	8.895951
66	819927	815121	10033166	8.895678	8.895952
67	822166	816878	10033309	8.895683	8.895953
68	824406	818635	10033452	8.895688	8.895954
69	826645	820392	10033596	8.895693	8.895955
70	828885	822149	10033739	8.895698	8.895956
71	831124	823907	10033883	8.895703	8.895957
72	833364	825664	10034026	8.895708	8.895958
73	835603	827421	10034173	8.895713	8.895959
74	837843	829178	10034318	8.895718	8.895960
75	840083	830935	10034463	8.895723	8.895961
76	842321	832693	10034609	8.895728	8.895962
77	844560	834451	10034755	8.895733	8.895963
78	846800	836208	10034901	8.895738	8.895964
79	849039	837966	10035048	8.895743	8.895965
80	851278	839723	10035194	8.895748	8.895966
81	853517	841481	10035342	8.895753	8.895967
82	855757	843239	10035489	8.895758	8.895968
83	857996	844996	10035637	8.895763	8.895969
84	860235	846754	10035785	8.895768	8.895970
85	862474	848512	10035934	8.895773	8.895971
86	864713	850270	10036083	8.895778	8.895972
87	866952	852028	10036232	8.895783	8.895973
88	869191	853786	10036381	8.895788	8.895974
89	871430	855544	10036531	8.895793	8.895975
90	873669	857302	10036681	8.895798	8.895976
91	875908	859060	10036831	8.895803	8.895977
92	878147	860819	10036981	8.895808	8.895978
93	880386	862577	10037133	8.895813	8.895979
94	882625	864335	10037284	8.895818	8.895980
95	884864	866094	10037436	8.895823	8.895981
96	887103	867853	10037588	8.895828	8.895982
97	889342	869611	10037740	8.895833	8.895983
98	891581	871369	10037892	8.895838	8.895984
99	893820	873128	10038045	8.895843	8.895985
100	896059	874886	10038198	8.895848	8.895986

M	Sin.	Tang.	Sec.	Lo. Sin.	Lo. Tan.
49	996173	127062047	127454248	9-998619	11-109016
48	996096	126779150	127172901	9-998613	11-109008
47	996019	126497901	126891451	9-998607	11-108999
46	995941	126217091	126610018	9-998601	11-108991
45	995863	125937900	126328417	9-998595	11-108983
44	995785	125659970	126047242	9-998589	11-108975
43	995707	125383237	125766382	9-998583	11-108967
42	995629	125107712	125485673	9-998577	11-108959
41	995551	124833388	125205281	9-998571	11-108951
40	995473	124559216	124925104	9-998565	11-108943
39	995395	124285310	124645191	9-998559	11-108935
38	995317	124011741	124365406	9-998553	11-108927
37	995239	123738494	124085831	9-998547	11-108919
36	995161	123465504	123806468	9-998541	11-108911
35	995083	123192781	123527319	9-998535	11-108903
34	995005	122920325	123248377	9-998529	11-108895
33	994927	122648139	122969641	9-998523	11-108887
32	994849	122376224	122691111	9-998517	11-108879
31	994771	122104581	122412787	9-998511	11-108871
30	994693	121833200	122134669	9-998505	11-108863
29	994615	121562091	121856757	9-998499	11-108855
28	994537	121291254	121579051	9-998493	11-108847
27	994459	121020691	121301551	9-998487	11-108839
26	994381	120750404	121024261	9-998481	11-108831
25	994303	120480391	120747181	9-998475	11-108823
24	994225	120210654	120470301	9-998469	11-108815
23	994147	119941191	120193621	9-998463	11-108807
22	994069	119671904	119917141	9-998457	11-108799
21	993991	119402891	119640861	9-998451	11-108791
20	993913	119134054	119364781	9-998445	11-108783
19	993835	118865391	119088901	9-998439	11-108775
18	993757	118596904	118813221	9-998433	11-108767
17	993679	118328691	118537741	9-998427	11-108759
16	993601	118060654	118262461	9-998421	11-108751
15	993523	117792791	117987281	9-998415	11-108743
14	993445	117525104	117712301	9-998409	11-108735
13	993367	117257691	117437521	9-998403	11-108727
12	993289	116990454	117162941	9-998397	11-108719
11	993211	116723391	116888561	9-998391	11-108711
10	993133	116456504	116614381	9-998385	11-108703
9	993055	116189791	116340401	9-998379	11-108695
8	992977	115923254	116066621	9-998373	11-108687
7	992899	115656891	115793041	9-998367	11-108679
6	992821	115390704	115519661	9-998361	11-108671
5	992743	115124691	115246481	9-998355	11-108663
4	992665	114858854	114973501	9-998349	11-108655
3	992587	114593191	114700721	9-998343	11-108647
2	992509	114327704	114428141	9-998337	11-108639
1	992431	114062391	114155761	9-998331	11-108631
0	992353	113797154	113883581	9-998325	11-108623

M	Shus.	Tag.	Debit.	Tag. Sm	Debit.
1	871557	870646	10038108	8.941256	8.941256
2	871296	870645	10038107	8.941255	8.941255
3	871035	870644	10038106	8.941254	8.941254
4	870773	870643	10038105	8.941253	8.941253
5	870512	870642	10038104	8.941252	8.941252
6	870250	870641	10038103	8.941251	8.941251
7	869989	870640	10038102	8.941250	8.941250
8	869727	870639	10038101	8.941249	8.941249
9	869466	870638	10038100	8.941248	8.941248
10	869204	870637	10038099	8.941247	8.941247
11	868943	870636	10038098	8.941246	8.941246
12	868681	870635	10038097	8.941245	8.941245
13	868420	870634	10038096	8.941244	8.941244
14	868158	870633	10038095	8.941243	8.941243
15	867896	870632	10038094	8.941242	8.941242
16	867635	870631	10038093	8.941241	8.941241
17	867373	870630	10038092	8.941240	8.941240
18	867111	870629	10038091	8.941239	8.941239
19	866849	870628	10038090	8.941238	8.941238
20	866587	870627	10038089	8.941237	8.941237
21	866325	870626	10038088	8.941236	8.941236
22	866064	870625	10038087	8.941235	8.941235
23	865802	870624	10038086	8.941234	8.941234
24	865540	870623	10038085	8.941233	8.941233
25	865278	870622	10038084	8.941232	8.941232
26	865016	870621	10038083	8.941231	8.941231
27	864754	870620	10038082	8.941230	8.941230
28	864492	870619	10038081	8.941229	8.941229
29	864230	870618	10038080	8.941228	8.941228
30	863967	870617	10038079	8.941227	8.941227
31	863705	870616	10038078	8.941226	8.941226
32	863444	870615	10038077	8.941225	8.941225
33	863181	870614	10038076	8.941224	8.941224
34	862919	870613	10038075	8.941223	8.941223
35	862657	870612	10038074	8.941222	8.941222
36	862394	870611	10038073	8.941221	8.941221
37	862132	870610	10038072	8.941220	8.941220
38	861870	870609	10038071	8.941219	8.941219
39	861607	870608	10038070	8.941218	8.941218
40	861345	870607	10038069	8.941217	8.941217
41	861083	870606	10038068	8.941216	8.941216
42	860820	870605	10038067	8.941215	8.941215
43	860558	870604	10038066	8.941214	8.941214
44	860296	870603	10038065	8.941213	8.941213
45	860034	870602	10038064	8.941212	8.941212
46	859772	870601	10038063	8.941211	8.941211
47	859510	870600	10038062	8.941210	8.941210
48	859248	870599	10038061	8.941209	8.941209
49	858986	870598	10038060	8.941208	8.941208
50	858724	870597	10038059	8.941207	8.941207



M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	9991987	114300523	114737142	91.9991987	11.048048
99	9991795	114291114	114508698	91.9991795	11.047170
98	9991604	114281705	114281705	91.9991604	11.046301
97	9991412	114272296	114053261	91.9991412	11.045432
96	9991220	114262887	113824814	91.9991220	11.044563
95	9991028	114253478	113596367	91.9991028	11.043694
94	9990836	114244069	113367920	91.9990836	11.042825
93	9990644	114234660	113139473	91.9990644	11.041956
92	9990452	114225251	112911026	91.9990452	11.041087
91	9990260	114215842	112682579	91.9990260	11.040218
90	9990068	114206433	112454132	91.9990068	11.039349
89	9989876	114197024	112225685	91.9989876	11.038480
88	9989684	114187615	111997238	91.9989684	11.037611
87	9989492	114178206	111768791	91.9989492	11.036742
86	9989300	114168797	111540344	91.9989300	11.035873
85	9989108	114159388	111311897	91.9989108	11.035004
84	9988916	114149979	111083450	91.9988916	11.034135
83	9988724	114140570	110855003	91.9988724	11.033266
82	9988532	114131161	110626556	91.9988532	11.032397
81	9988340	114121752	110398109	91.9988340	11.031528
80	9988148	114112343	110169662	91.9988148	11.030659
79	9987956	114102934	110941215	91.9987956	11.029790
78	9987764	114093525	110712768	91.9987764	11.028921
77	9987572	114084116	110484321	91.9987572	11.028052
76	9987380	114074707	110255874	91.9987380	11.027183
75	9987188	114065298	110027427	91.9987188	11.026314
74	9986996	114055889	109798980	91.9986996	11.025445
73	9986804	114046480	109570533	91.9986804	11.024576
72	9986612	114037071	109342086	91.9986612	11.023707
71	9986420	114027662	109113639	91.9986420	11.022838
70	9986228	114018253	108885192	91.9986228	11.021969
69	9986036	114008844	108656745	91.9986036	11.021100
68	9985844	114009435	108428298	91.9985844	11.020231
67	9985652	114000026	108200851	91.9985652	11.019362
66	9985460	113990617	107972404	91.9985460	11.018493
65	9985268	113981208	107743957	91.9985268	11.017624
64	9985076	113971799	107515510	91.9985076	11.016755
63	9984884	113962390	107287063	91.9984884	11.015886
62	9984692	113952981	107058616	91.9984692	11.015017
61	9984500	113943572	106830169	91.9984500	11.014148
60	9984308	113934163	106601722	91.9984308	11.013279
59	9984116	113924754	106373275	91.9984116	11.012410
58	9983924	113915345	106144828	91.9983924	11.011541
57	9983732	113905936	105916381	91.9983732	11.010672
56	9983540	113896527	105687934	91.9983540	11.009803
55	9983348	113887118	105459487	91.9983348	11.008934
54	9983156	113877709	105231040	91.9983156	11.008065
53	9982964	113868300	105002593	91.9982964	11.007196
52	9982772	113858891	104774146	91.9982772	11.006327
51	9982580	113849482	104545699	91.9982580	11.005458
50	9982388	113840073	104317252	91.9982388	11.004589
49	9982196	113830664	104088805	91.9982196	11.003720
48	9982004	113821255	103860358	91.9982004	11.002851
47	9981812	113811846	103631911	91.9981812	11.001982
46	9981620	113802437	103403464	91.9981620	11.001113
45	9981428	113793028	103175017	91.9981428	11.000244
44	9981236	113783619	102946570	91.9981236	10.999375
43	9981044	113774210	102718123	91.9981044	10.998506
42	9980852	113764801	102489676	91.9980852	10.997637
41	9980660	113755392	102261229	91.9980660	10.996768
40	9980468	113745983	102032782	91.9980468	10.995899
39	9980276	113736574	101804335	91.9980276	10.995030
38	9980084	113727165	101575888	91.9980084	10.994161
37	9979892	113717756	101347441	91.9979892	10.993292
36	9979700	113708347	101118994	91.9979700	10.992423
35	9979508	113698938	100890547	91.9979508	10.991554
34	9979316	113689529	100662100	91.9979316	10.990685
33	9979124	113680120	100433653	91.9979124	10.989816
32	9978932	113670711	100205206	91.9978932	10.988947
31	9978740	113661302	100976759	91.9978740	10.988078
30	9978548	113651893	100748312	91.9978548	10.987209
29	9978356	113642484	100519865	91.9978356	10.986340
28	9978164	113633075	100291418	91.9978164	10.985471
27	9977972	113623666	100062971	91.9977972	10.984602
26	9977780	113614257	99834524	91.9977780	10.983733
25	9977588	113604848	99606077	91.9977588	10.982864
24	9977396	113595439	99377630	91.9977396	10.982005
23	9977204	113586030	99149183	91.9977204	10.981136
22	9977012	113576621	98920736	91.9977012	10.980267
21	9976820	113567212	98692289	91.9976820	10.979398
20	9976628	113557803	98463842	91.9976628	10.978529
19	9976436	113548394	98235395	91.9976436	10.977660
18	9976244	113538985	98006948	91.9976244	10.976791
17	9976052	113529576	97778501	91.9976052	10.975922
16	9975860	113520167	97550054	91.9975860	10.975053
15	9975668	113510758	97321607	91.9975668	10.974184
14	9975476	113501349	97093160	91.9975476	10.973315
13	9975284	113491940	96864713	91.9975284	10.972446
12	9975092	113482531	96636266	91.9975092	10.971577
11	9974900	113473122	96407819	91.9974900	10.970708
10	9974708	113463713	96179372	91.9974708	10.969839
9	9974516	113454304	95950925	91.9974516	10.968970
8	9974324	113444895	95722478	91.9974324	10.968101
7	9974132	113435486	95494031	91.9974132	10.967232
6	9973940	113426077	95265584	91.9973940	10.966363
5	9973748	113416668	95037137	91.9973748	10.965494
4	9973556	113407259	94808690	91.9973556	10.964625
3	9973364	113397850	94580243	91.9973364	10.963756
2	9973172	113388441	94351796	91.9973172	10.962887
1	9972980	113379032	94123349	91.9972980	10.962018

M	Sinus.	Tang.	Secant.	La. Sin.	La. Tan.
10	953447	968390	1004651	8.981573	8.983577
11	955194	954651	10046430	8.983599	8.984370
12	956933	956412	10046389	8.983644	8.984163
13	958669	958175	10046359	8.983698	8.983954
14	960406	960937	10046329	8.983710	8.983743
15	962143	971699	10047099	8.983740	8.983531
16	963880	973460	10047269	8.983770	8.983318
17	970617	975222	10047440	8.983798	8.983104
18	972354	976984	10047611	8.983825	8.982897
19	974091	978746	10047783	8.983860	8.982670
20	975828	980508	10047955	8.983874	8.982441
21	977565	982271	10048127	8.983901	8.982231
22	979302	984033	10048299	8.983917	8.982009
23	981039	985795	10048472	8.983936	8.981786
24	982776	987557	10048645	8.983955	8.981562
25	984513	989320	10048818	8.983973	8.981337
26	986250	991082	10048992	8.983987	8.981110
27	987987	992844	10049166	8.983997	8.980881
28	989724	994607	10049340	8.984014	8.980651
29	991461	996370	10049515	8.984027	8.980420
30	993197	998132	10049690	8.984035	8.980188
31	994934	999895	10049865	8.984044	8.979954
32	996671	1001658	10050041	8.984052	8.979729
33	998407	1003421	10050216	8.984058	8.979508
34	1000144	1005184	10050393	9.000062	9.000245
35	1001880	1006947	10050569	9.000086	9.000006
36	1003617	1008710	10050746	9.000156	9.000766
37	1005353	1010473	10050923	9.000219	9.000525
38	1007090	1012236	10051100	9.000268	9.000283
39	1008826	1013999	10051278	9.000316	9.000038
40	1010563	1015763	10051456	9.000363	9.000792
41	1012299	1017525	10051634	9.000409	9.000545
42	1014035	1019290	10051813	9.000453	9.000307
43	1015772	1021053	10051992	9.000496	9.000068
44	1017508	1022816	10052171	9.000538	9.000798
45	1019244	1024580	10052351	9.000578	9.000546
46	1020981	1026344	10052531	9.000617	9.001303
47	1022717	1028108	10052711	9.000654	9.001058
48	1024453	1029871	10052892	9.000692	9.001783
49	1026189	1031635	10053073	9.000729	9.001536
50	1027925	1033399	10053254	9.000765	9.001288
51	1029661	1035163	10053435	9.000801	9.001009
52	1031397	1036927	10053617	9.000836	9.000748
53	1033133	1038691	10053799	9.000871	9.000486
54	1034869	1040456	10053982	9.000905	9.000223
55	1036605	1042220	10054164	9.000939	9.000799
56	1038341	1043984	10054347	9.000972	9.000534
57	1040077	1045749	10054531	9.001006	9.000270
58	1041813	1047513	10054714	9.001039	9.000005
59	1043549	1049278	10054898	9.001071	9.000740
60	1045284	1051042	10055083	9.001104	9.000476

M	Surid.	Tangen.	Secan.	Lo. Sin.	Lo. Tan.
50	9953961	103813971	104314304	9.997996	11.016443
49	9953794	103804324	104145131	9.997998	11.015029
48	9953618	103795161	103976446	9.997991	11.014487
47	9953441	103786082	103807041	9.997974	11.013946
46	9953265	103776979	103637314	9.997966	11.013406
45	9953111	103767850	103467458	9.997959	11.012868
44	9952942	103758692	103297187	9.997952	11.012331
43	9952783	103749500	103127158	9.997944	11.011796
42	9952614	103740372	102957104	9.997937	11.011261
41	9952444	103731201	102787009	9.997930	11.010728
40	9952273	103722089	102616971	9.997922	11.010196
39	9952103	103712923	102446881	9.997915	11.009669
38	9951932	103703817	102276741	9.997907	11.009143
37	9951761	103694691	102106557	9.997900	11.008618
36	9951590	103685592	101936308	9.997892	11.008093
35	9951418	103676442	101766008	9.997885	11.007569
34	9951246	103667292	101595711	9.997877	11.007046
33	9951074	103658174	101425416	9.997870	11.006523
32	9950902	103649018	101255126	9.997862	11.005999
31	9950729	103639811	101084846	9.997855	11.005476
30	9950555	103630680	100914569	9.997847	11.004953
29	9950382	103621547	100744281	9.997840	11.004430
28	9950208	99614449	100573988	9.997832	10.999907
27	9950034	99613534	100403691	9.997824	10.999384
26	9949860	99612618	99985597	9.997817	10.998861
25	9949685	99611703	99980591	9.997809	10.998338
24	9949510	99610787	99613583	9.997802	10.997815
23	9949335	99609872	99407486	9.997794	10.997292
22	9949159	99608957	99201393	9.997786	10.996769
21	9948983	99608042	99013506	9.997779	10.996246
20	9948807	99607127	98825619	9.997771	10.995723
19	9948630	98277555	98785028	9.997763	10.995200
18	9948454	98107529	98615857	9.997755	10.994677
17	9948276	97937805	98447288	9.997748	10.994154
16	9948099	97767921	98279206	9.997740	10.993631
15	9947921	97600927	98111885	9.997732	10.993108
14	9947743	97433209	97948086	9.997724	10.992585
13	9947565	97265059	97783762	9.997717	10.992062
12	9947386	97096476	97613054	9.997709	10.991539
11	9947207	96927348	97447910	9.997702	10.991016
10	9947028	96758000	97283327	9.997693	10.990493
9	9946848	96588309	97118202	9.997685	10.989970
8	9946669	96418754	96953531	9.997677	10.989447
7	9946488	96249261	96789214	9.997670	10.988924
6	9946308	96079718	96624546	9.997662	10.988401
5	9946127	95910201	96460824	9.997654	10.987878
4	9945946	95740669	96297447	9.997646	10.987355
3	9945764	95571128	96134071	9.997638	10.986832
2	9945582	95401585	95970691	9.997630	10.986309
1	9945401	95232048	95807311	9.997622	10.985786
0	9945219	95062514	95643922	9.997614	10.985263

M.	Sins.	Tang.	Secan.	La. Sin.	La. Tan.
0	1041134	1041043	10051003	9.019214	9.021620
1	1041080	1041007	10051007	9.019215	9.021619
2	1041026	1040971	10051012	9.019216	9.021618
3	1040972	1040936	10051017	9.019217	9.021617
4	1040917	1040901	10051021	9.019218	9.021616
5	1040863	1040866	10051026	9.019219	9.021615
6	1040808	1040831	10051031	9.019220	9.021614
7	1040754	1040796	10051036	9.019221	9.021613
8	1040700	1040761	10051041	9.019222	9.021612
9	1040645	1040726	10051046	9.019223	9.021611
10	1040591	1040691	10051051	9.019224	9.021610
11	1040537	1040656	10051056	9.019225	9.021609
12	1040482	1040621	10051061	9.019226	9.021608
13	1040428	1040586	10051066	9.019227	9.021607
14	1040374	1040551	10051071	9.019228	9.021606
15	1040319	1040516	10051076	9.019229	9.021605
16	1040265	1040481	10051081	9.019230	9.021604
17	1040210	1040446	10051086	9.019231	9.021603
18	1040156	1040411	10051091	9.019232	9.021602
19	1040102	1040376	10051096	9.019233	9.021601
20	1040047	1040341	10051101	9.019234	9.021600
21	1039993	1040306	10051106	9.019235	9.021599
22	1039938	1040271	10051111	9.019236	9.021598
23	1039884	1040236	10051116	9.019237	9.021597
24	1039829	1040201	10051121	9.019238	9.021596
25	1039775	1040166	10051126	9.019239	9.021595
26	1039720	1040131	10051131	9.019240	9.021594
27	1039666	1040096	10051136	9.019241	9.021593
28	1039611	1040061	10051141	9.019242	9.021592
29	1039557	1040026	10051146	9.019243	9.021591
30	1039502	1040000	10051151	9.019244	9.021590
31	1039448	1039965	10051156	9.019245	9.021589
32	1039393	1039930	10051161	9.019246	9.021588
33	1039339	1039895	10051166	9.019247	9.021587
34	1039284	1039860	10051171	9.019248	9.021586
35	1039230	1039825	10051176	9.019249	9.021585
36	1039175	1039790	10051181	9.019250	9.021584
37	1039121	1039755	10051186	9.019251	9.021583
38	1039066	1039720	10051191	9.019252	9.021582
39	1039012	1039685	10051196	9.019253	9.021581
40	1038957	1039650	10051201	9.019254	9.021580
41	1038903	1039615	10051206	9.019255	9.021579
42	1038848	1039580	10051211	9.019256	9.021578
43	1038793	1039545	10051216	9.019257	9.021577
44	1038739	1039510	10051221	9.019258	9.021576
45	1038684	1039475	10051226	9.019259	9.021575
46	1038630	1039440	10051231	9.019260	9.021574
47	1038575	1039405	10051236	9.019261	9.021573
48	1038521	1039370	10051241	9.019262	9.021572
49	1038466	1039335	10051246	9.019263	9.021571
50	1038412	1039300	10051251	9.019264	9.021570

M.	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
100	994519	9443644	9443644	9.997614	10.978380
99	9945036	94434171	94434171	9.997606	10.977611
98	9944853	94431226	94431226	9.997598	10.976824
97	9944670	94428606	94428606	9.997590	10.976198
96	9944487	94426208	94426208	9.997582	10.975473
95	9944303	94423131	94423131	9.997574	10.974749
94	9944119	944194671	944194671	9.997566	10.974026
93	9943934	94416226	94416226	9.997558	10.973301
92	9943750	94412493	94412493	9.997550	10.972584
91	9943565	94408171	94408171	9.997542	10.971865
90	9943379	94403259	94403259	9.997534	10.971157
89	9943194	94398045	94398045	9.997526	10.970430
88	9943008	94392626	94392626	9.997518	10.969715
87	9942821	94387098	94387098	9.997509	10.969000
86	9942635	94381417	94381417	9.997501	10.968287
85	9942448	94375581	94375581	9.997493	10.967575
84	9942261	94369598	94369598	9.997485	10.966864
83	9942074	94363465	94363465	9.997477	10.966154
82	9941886	94357180	94357180	9.997469	10.965445
81	9941698	94350744	94350744	9.997460	10.964738
80	9941509	94344156	94344156	9.997452	10.964031
79	9941321	94337416	94337416	9.997444	10.963326
78	9941132	94330521	94330521	9.997436	10.962621
77	9940943	94323481	94323481	9.997427	10.961918
76	9940753	94316293	94316293	9.997419	10.961216
75	9940563	94309048	94309048	9.997411	10.960515
74	9940373	94301722	94301722	9.997403	10.959815
73	9940183	94294325	94294325	9.997395	10.959116
72	9939993	94286866	94286866	9.997386	10.958419
71	9939801	94279348	94279348	9.997377	10.957722
70	9939609	94271767	94271767	9.997369	10.957027
69	9939418	94264114	94264114	9.997361	10.956322
68	9939226	94256397	94256397	9.997352	10.955619
67	9939033	94248609	94248609	9.997344	10.954917
66	9938841	94240744	94240744	9.997336	10.954216
65	9938648	94232813	94232813	9.997327	10.953516
64	9938455	94224818	94224818	9.997319	10.952816
63	9938261	94216751	94216751	9.997310	10.952118
62	9938067	94208616	94208616	9.997302	10.951420
61	9937873	94200413	94200413	9.997293	10.950722
60	9937679	94192148	94192148	9.997285	10.950023
59	9937484	94183821	94183821	9.997276	10.949324
58	9937289	94175432	94175432	9.997268	10.948625
57	9937094	94166981	94166981	9.997259	10.947926
56	9936898	94158468	94158468	9.997251	10.947227
55	9936702	94149893	94149893	9.997242	10.946528
54	9936506	94141256	94141256	9.997234	10.945829
53	9936310	94132557	94132557	9.997225	10.945130
52	9936113	94123794	94123794	9.997216	10.944431
51	9935915	94114967	94114967	9.997208	10.943732
50	9935717	94106078	94106078	9.997199	10.943033

M	Sinus.	Tang.	Secant.	Lo Sin.	Lo Tan
50	113232	113336	1006467	9.013859	9.056659
51	113376	114114	1006487	9.014523	9.057333
52	113500	114282	1006508	9.015187	9.058007
53	113724	114466	1006529	9.015851	9.058676
54	113968	114648	1006550	9.016511	9.059347
55	114070	114819	1006572	9.017172	9.060010
56	114246	114995	1006594	9.017832	9.060685
57	114417	115173	1006616	9.018490	9.061352
58	114592	115352	1006638	9.019148	9.062018
59	114763	115527	1006659	9.019805	9.062684
60	114937	115703	1006681	9.020460	9.063348
61	115105	115880	1006698	9.021115	9.064011
62	115283	116057	1006712	9.021765	9.064674
63	115457	116234	1006726	9.022421	9.065335
64	115630	116411	1006739	9.023073	9.065996
65	115804	116588	1006753	9.023723	9.066655
66	115973	116765	1006764	9.024373	9.067314
67	116150	116942	1006778	9.025022	9.067971
68	116324	117119	1006791	9.025669	9.068628
69	116497	117296	1006805	9.026316	9.069283
70	116670	117473	1006818	9.026962	9.069938
71	116844	117649	1006832	9.027606	9.070592
72	117017	117826	1006845	9.028250	9.071244
73	117190	118003	1006859	9.028893	9.071896
74	117364	118180	1006872	9.029535	9.072547
75	117537	118357	1006886	9.030177	9.073197
76	117710	118534	1006899	9.030816	9.073846
77	117883	118711	1006912	9.031455	9.074494
78	118057	118888	1006926	9.032093	9.075141
79	118230	119065	1006939	9.032730	9.075787
80	118403	119242	1006953	9.033366	9.076432
81	118577	119419	1006966	9.034001	9.077076
82	118750	119596	1006980	9.034636	9.077719
83	118924	119773	1006993	9.035270	9.078362
84	119097	119950	1007007	9.035904	9.079003
85	119270	120127	1007020	9.036533	9.079644
86	119443	120304	1007034	9.037163	9.080283
87	119617	120481	1007047	9.037793	9.080922
88	119790	120658	1007061	9.038421	9.081560
89	119963	120835	1007074	9.039049	9.082197
90	120136	121012	1007088	9.039676	9.082833
91	120310	121189	1007101	9.040302	9.083468
92	120483	121366	1007115	9.040927	9.084102
93	120656	121544	1007128	9.041551	9.084735
94	120829	121721	1007142	9.042174	9.085368
95	121003	121898	1007155	9.042796	9.085999
96	121176	122075	1007169	9.043418	9.086630
97	121349	122252	1007182	9.044038	9.087260
98	121522	122429	1007196	9.044658	9.087889
99	121695	122607	1007209	9.045276	9.088516
—	121869	122784	1007223	9.045894	9.089144



M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9935718	8776:873	88336715	9.997199	10.943340
49	9935521	87632887	88201004	9.997190	10.942657
48	9935323	87497316	88056908	9.997182	10.941995
47	9935124	87362159	87932626	9.997173	10.941323
46	9934926	87227413	87798756	9.997164	10.940653
45	9934727	87093076	87665235	9.997156	10.939983
44	9934527	86959143	87532242	9.997147	10.939315
43	9934328	86825625	87399595	9.997138	10.938648
42	9934128	86692507	87267352	9.997130	10.937991
41	9933928	86559790	87135511	9.997121	10.937316
40	9933727	86427474	87004071	9.997112	10.936652
39	9933527	86295557	86873029	9.997103	10.935988
38	9933326	86164036	86742384	9.997094	10.935326
37	9933124	86032911	86612134	9.997086	10.934664
36	9932923	85902178	86482277	9.997077	10.934000
35	9932721	85771838	86352812	9.997068	10.933345
34	9932518	85641886	86223736	9.997059	10.932686
33	9932316	85512123	86094048	9.997050	10.932029
32	9932113	85383146	85964747	9.997041	10.931372
31	9931910	85254532	85838830	9.997032	10.930716
30	9931706	85125943	85711295	9.997024	10.930062
29	9931503	84997914	85584142	9.997015	10.929408
28	9931298	84870264	85457368	9.997006	10.928755
27	9931094	84742991	85330971	9.996997	10.928104
26	9930889	84616095	85204950	9.996988	10.927453
25	9930684	84489573	85079304	9.996979	10.926803
24	9930479	84363424	84954030	9.996970	10.926153
23	9930273	84237645	84829128	9.996961	10.925506
22	9930068	84112266	84704594	9.996952	10.924859
21	9929861	83987195	84580428	9.996943	10.924213
20	9929655	83862519	84456629	9.996934	10.923566
19	9929448	83738208	84333193	9.996925	10.922923
18	9929241	83614260	84210121	9.996916	10.922280
17	9929034	83490673	84087412	9.996907	10.921638
16	9928826	83367440	83965058	9.996898	10.920996
15	9928618	83244576	83843055	9.996889	10.920356
14	9928410	83122064	83721425	9.996880	10.919716
13	9928201	82999906	83600146	9.996870	10.919077
12	9927992	82878102	83479217	9.996861	10.918440
11	9927783	82756649	83358641	9.996852	10.917803
10	9927573	82635547	83238414	9.996843	10.917167
9	9927363	82514754	83118537	9.996833	10.916532
8	9927153	82394388	82999007	9.996825	10.915897
7	9926943	82274328	82879822	9.996815	10.915264
6	9926732	82154612	82760982	9.996806	10.914632
5	9926521	82035239	82642485	9.996797	10.914000
4	9926310	81916207	82524327	9.996788	10.913370
3	9926098	81797515	82406513	9.996778	10.912740
2	9925886	81679162	82289036	9.996769	10.912111
1	9925674	81561145	82171895	9.996760	10.911483
0	9925461	81443464	82055020	9.996751	10.910856

	M.	Sine.	Tang.	Secant	Ln. Sin.	Ln. Tan.
0	1318631	1227845	10075001	9.315894	9.033144	
1	1320485	1228517	10075314	9.036511	9.033770	
2	1322158	1229189	10075531	9.037127	9.033995	
3	1323890	1229861	10075747	9.037742	9.034220	
4	1325622	1230533	10075964	9.038356	9.034443	
5	1327354	1231205	10076182	9.038970	9.034666	
6	1329085	1231877	10076399	9.039582	9.034888	
7	1330819	1232549	10076617	9.040194	9.035109	
8	1332551	1233221	10076835	9.040805	9.035329	
9	1334283	1233893	10077054	9.041414	9.035549	
10	1336015	1234565	10077273	9.042023	9.035768	
11	1337746	1235237	10077492	9.042632	9.035984	
12	1339478	1235909	10077712	9.043239	9.036201	
13	1341210	1236581	10077932	9.043845	9.036417	
14	1342942	1237253	10078152	9.044451	9.036632	
15	1344674	1237925	10078372	9.045055	9.036846	
16	1346406	1238597	10078593	9.045659	9.037059	
17	1348137	1239269	10078814	9.046262	9.037272	
18	1349869	1239941	10079036	9.046864	9.037483	
19	1351601	1240613	10079257	9.047465	9.037694	
20	1353332	1241285	10079480	9.048066	9.037904	
21	1355064	1241957	10079702	9.048666	9.038113	
22	1356795	1242629	10079925	9.049264	9.038322	
23	1358527	1243301	10080148	9.049862	9.038530	
24	1360258	1243973	10080371	9.050459	9.038736	
25	1361990	1244645	10080595	9.051056	9.038942	
26	1363721	1245317	10080819	9.051651	9.039147	
27	1365452	1245989	10081043	9.052245	9.039351	
28	1367183	1246661	10081268	9.052839	9.039555	
29	1368915	1247333	10081492	9.053432	9.039757	
30	1370646	1248005	10081715	9.054024	9.039959	
31	1372377	1248677	10081943	9.054616	9.040160	
32	1374108	1249349	10082169	9.055205	9.040360	
33	1375839	1250021	10082394	9.055796	9.040560	
34	1377570	1250693	10082622	9.056385	9.040759	
35	1379301	1251365	10082849	9.056973	9.040956	
36	1381032	1252037	10083075	9.057560	9.041153	
37	1382763	1252709	10083303	9.058146	9.041349	
38	1384494	1253381	10083531	9.058732	9.041545	
39	1386225	1254053	10083759	9.059317	9.041739	
40	1387956	1254725	10083988	9.059901	9.041933	
41	1389687	1255397	10084216	9.060484	9.042126	
42	1391417	1256069	10084444	9.061066	9.042318	
43	1393148	1256741	10084675	9.061648	9.042510	
44	1394879	1257413	10084905	9.062232	9.042701	
45	1396609	1258085	10085135	9.062814	9.042891	
46	1398341	1258757	10085365	9.063398	9.043080	
47	1300070	1259429	10085596	9.063981	9.043268	
48	1301801	1260101	1213974	9.064564	9.043456	
49	1303531	1314740	10086058	9.065146	9.043643	
50	1305262	1316124	10086289	9.065729	9.043829	

M.	Sin.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	9991461	81443464	81015020	9.999771	10.910836
99	9991248	81326117	81018619	9.999744	10.910230
98	9991035	81209103	81022218	9.999717	10.909625
97	9988821	81092422	81025824	9.999690	10.909020
96	9986608	80976007	81029431	9.999663	10.908415
95	9984394	80860042	81033038	9.999636	10.907810
94	9982180	80744344	81036645	9.999609	10.907205
93	9979965	80628772	81040252	9.999582	10.906600
92	9977750	80513924	81043859	9.999555	10.906000
91	9975535	80399192	81047466	9.999528	10.905400
90	9973319	80284796	8095182	9.999501	10.904800
89	9971103	80170711	80991977	9.999474	10.904200
88	9968887	80056948	80937036	9.999447	10.903600
87	9966671	79943501	80882095	9.999420	10.903000
86	9964454	79830370	80827154	9.999393	10.902400
85	9962237	79717554	80772213	9.999366	10.901800
84	9960019	79605052	80717272	9.999339	10.901200
83	9957802	79492862	80662331	9.999312	10.900600
82	9955584	79380982	80607390	9.999285	10.899999
81	9953366	79269411	80552449	9.999258	10.899400
80	9951147	79158151	80497508	9.999231	10.898800
79	9948928	79047196	80442567	9.999204	10.898200
78	9946709	78936547	80387626	9.999177	10.897600
77	9944490	78826203	80332685	9.999150	10.897000
76	9942270	78716162	80277744	9.999123	10.896400
75	9940049	78606422	80222803	9.999096	10.895800
74	9937829	78496984	80167862	9.999069	10.895200
73	9935608	78387845	80112921	9.999042	10.894600
72	9933387	78279004	80057980	9.999015	10.894000
71	9931166	78170460	80003039	9.998988	10.893400
70	9928944	78062212	79948098	9.998961	10.892800
69	9926722	77954358	79893157	9.998934	10.892200
68	9924500	77846598	79838216	9.998907	10.891600
67	9922278	77739230	79783275	9.998880	10.891000
66	9920055	77632153	79728334	9.998853	10.890400
65	9917832	77525366	79673393	9.998826	10.889800
64	9915608	77418867	79618452	9.998799	10.889200
63	9913384	77312656	79563511	9.998772	10.888600
62	9911160	77206731	79508570	9.998745	10.888000
61	9908936	77101091	79453629	9.998718	10.887400
60	9906711	76995735	79398688	9.998691	10.886800
59	9904486	76890662	79343747	9.998664	10.886200
58	9902261	76785870	79288806	9.998637	10.885600
57	9900036	76681359	79233865	9.998610	10.885000
56	9897810	76577127	79178924	9.998583	10.884400
55	9895584	76473174	79123983	9.998556	10.883800
54	9893357	76369497	79069042	9.998529	10.883200
53	9891130	76266097	79014101	9.998502	10.882600
52	9888903	76162971	78959160	9.998475	10.882000
51	9886676	76060120	78904219	9.998448	10.881400
50	9884448	75957541	78849278	9.998421	10.880800

M	Sinos.	Tang.	Secant.	La. Sin.	La. Tan.
50	1305269	1316434	10036289	9.115697	9.119483
51	1306992	1318300	10036541	9.116273	9.120014
52	1308722	1320076	10036794	9.116847	9.120599
53	1310463	1321852	10037046	9.117421	9.121183
54	1312183	1323628	10037299	9.117994	9.121766
55	1313913	1325404	10037551	9.118567	9.122348
56	1315643	1327180	10037805	9.119138	9.122930
57	1317374	1328956	10038059	9.119709	9.123510
58	1319104	1330732	10038312	9.120279	9.124090
59	1320834	1332508	10038566	9.120848	9.124670
60	1322564	1334285	10038820	9.121416	9.125248
61	1324294	1336061	10039073	9.121984	9.125826
62	1326024	1337838	10039327	9.122551	9.126403
63	1327754	1339614	10039580	9.123117	9.126980
64	1329483	1341391	10039834	9.123683	9.127555
65	1331213	1343168	10040088	9.124247	9.128130
66	1332943	1344945	10040342	9.124811	9.128704
67	1334673	1346722	10040595	9.125375	9.129278
68	1336402	1348499	10040849	9.125937	9.129850
69	1338132	1350276	10041103	9.126499	9.130422
70	1339862	1352053	10041357	9.127060	9.130994
71	1341591	1353830	10041611	9.127620	9.131564
72	1343320	1355607	10041865	9.128180	9.132134
73	1345050	1357385	10042119	9.128738	9.132703
74	1346780	1359162	10042373	9.129296	9.133271
75	1348509	1360940	10042627	9.129854	9.133839
76	1350238	1362718	10042881	9.130410	9.134406
77	1351968	1364495	10043135	9.130966	9.134972
78	1353697	1366273	10043389	9.131521	9.135537
79	1355426	1368051	10043643	9.132076	9.136102
80	1357156	1369829	10043897	9.132630	9.136666
81	1358885	1371608	10044151	9.133182	9.137230
82	1360614	1373386	10044405	9.133735	9.137793
83	1362343	1375164	10044659	9.134286	9.138354
84	1364072	1376942	10044913	9.134837	9.138916
85	1365801	1378721	10045167	9.135387	9.139476
86	1367530	1380499	10045421	9.135937	9.140036
87	1369259	1382278	10045675	9.136485	9.140595
88	1370988	1384057	10045929	9.137033	9.141154
89	1372716	1385836	10046183	9.137581	9.141712
90	1374445	1387614	10046437	9.138127	9.142270
91	1376174	1389393	10046691	9.138673	9.142825
92	1377903	1391172	10046945	9.139218	9.143381
93	1379631	1392951	10047199	9.139763	9.143936
94	1381360	1394731	10047453	9.140307	9.144490
95	1383089	1396510	10047707	9.140850	9.145044
96	1384819	1398289	10047961	9.141392	9.145597
97	1386548	1400069	10048215	9.141934	9.146149
98	1388277	1401849	10048469	9.142477	9.146701
99	1390006	1403628	10048723	9.143019	9.147253
	1391735	1405408	10048977	9.143561	9.147802

M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lag. Tan.
50	9914448	75957541	76612976	9.996258	10.880571
49	9914220	75855234	76511545	9.996258	10.879925
48	9913992	75753197	76410384	9.996248	10.879401
47	9913764	75651430	76309493	9.996238	10.878817
46	9913535	75549931	76208871	9.996228	10.878234
45	9913306	75448699	76108516	9.996218	10.877652
44	9913076	75347734	76008427	9.996208	10.877070
43	9912846	75247033	75908603	9.996198	10.876489
42	9912616	75146597	75809044	9.996188	10.875909
41	9912386	75046425	75709747	9.996178	10.875330
40	9912155	74946514	75610713	9.996168	10.874751
39	9911924	74846864	75511940	9.996158	10.874173
38	9911693	74747474	75413427	9.996148	10.873596
37	9911461	74648343	75315172	9.996138	10.873020
36	9911229	74549471	75217176	9.996127	10.872444
35	9910997	74450855	75119436	9.996117	10.871869
34	9910765	74352495	75021953	9.996107	10.871295
33	9910532	74254390	74924725	9.996097	10.870722
32	9910299	74156539	74827751	9.996087	10.870149
31	9910065	74058941	74731029	9.996076	10.869577
30	9909832	73961595	74634560	9.996066	10.869006
29	9909598	73864500	74538341	9.996056	10.868436
28	9909363	73767655	74442373	9.996046	10.867866
27	9909129	73671059	74346654	9.996035	10.867297
26	9908894	73574711	74251182	9.996025	10.866728
25	9908659	73478610	74155958	9.996015	10.866161
24	9908423	73382756	74060980	9.996004	10.865594
23	9908187	73287146	73966248	9.995994	10.865028
22	9907951	73191781	73871759	9.995984	10.864462
21	9907715	73096659	73777514	9.995973	10.863897
20	9907478	73001780	73683512	9.995963	10.863333
19	9907241	72907142	73589751	9.995953	10.862770
18	9907004	72812745	73496230	9.995942	10.862207
17	9906766	72718587	73402949	9.995932	10.861645
16	9906528	72624668	73309907	9.995921	10.861084
15	9906290	72530987	73217102	9.995911	10.860523
14	9906052	72437543	73124535	9.995900	10.859964
13	9905813	72344334	73032203	9.995890	10.859404
12	9905574	72251361	72940107	9.995879	10.858846
11	9905334	72158622	72848244	9.995869	10.858288
10	9905094	72066116	72756615	9.995858	10.857731
9	9904854	71973843	72665219	9.995848	10.857174
8	9904614	71881801	72575054	9.995837	10.856619
7	9904373	71789900	72485119	9.995827	10.856064
6	9904132	71698108	72395415	9.995816	10.855509
5	9903891	71607056	72305939	9.995806	10.854956
4	9903650	71515931	72216692	9.995795	10.854403
3	9903408	71425034	72127671	9.995784	10.853850
2	9903166	71334363	72038877	9.995774	10.853299
1	9902923	71243918	71949309	9.995764	10.852748
0	9902680	71153697	71860065	9.995753	10.852197

M.	S. in.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	1391731	1409408	10098276	9.143555	9.147802
1	1593459	1407188	10098523	9.144034	9.148352
2	1595187	1408268	10098772	9.144512	9.148901
3	1395916	1410748	10099020	9.145170	9.149449
4	1398644	1412528	10099269	9.145707	9.149997
5	1400372	1414308	10099518	9.145243	9.150544
6	1402100	1416089	10099767	9.145779	9.151090
7	1403828	1417869	10100017	9.147314	9.151636
8	1405556	1419649	10100267	9.147848	9.152181
9	1407284	1421430	10100518	9.148382	9.152725
10	1409012	1423211	10100769	9.148915	9.153269
11	1410740	1424991	10101020	9.149447	9.153812
12	1412468	1426772	10101271	9.149978	9.154354
13	1414196	1428553	10101523	9.150509	9.154896
14	1415923	1430334	10101775	9.151040	9.155437
15	1417651	1432115	10102027	9.151569	9.155978
16	1420379	1433896	10102280	9.152098	9.156518
17	1422100	1435678	10102533	9.152626	9.157057
18	1423824	1437459	10102786	9.153154	9.157595
19	1425548	1439240	10103040	9.153681	9.158133
20	1427280	1441022	10103294	9.154207	9.158670
21	1429017	1442803	10103548	9.154733	9.159207
22	1430744	1444585	10103802	9.155258	9.159743
23	1432471	1446367	10104057	9.155783	9.160276
24	1434199	1448149	10104313	9.156306	9.160813
25	1435926	1449931	10104568	9.156823	9.161347
26	1437653	1451713	10104824	9.157352	9.161881
27	1439380	1453495	10105080	9.157874	9.162413
28	1441108	1455277	10105337	9.158395	9.162946
29	1442835	1457060	10105593	9.158915	9.163477
30	1444562	1458842	10105851	9.159435	9.164008
31	1446289	1460625	10106108	9.159955	9.164538
32	1448016	1462407	10106366	9.160473	9.165068
33	1449743	1464190	10106624	9.160991	9.165597
34	1451470	1465973	10106882	9.161509	9.166126
35	1453197	1467756	10107141	9.162025	9.166654
36	1454923	1469539	10107400	9.162541	9.167181
37	1456650	1471322	10107660	9.163057	9.167707
38	1458377	1473104	10107919	9.163572	9.168233
39	1460103	1474888	10108179	9.164086	9.168759
40	1461830	1476671	10108440	9.164599	9.169284
41	1463557	1478455	10108700	9.165113	9.169809
42	1465283	1480238	10108961	9.165625	9.170331
43	1467009	1482022	10109221	9.166137	9.170854
44	1468736	1483806	10109484	9.166648	9.171377
45	1470463	1485589	10109746	9.167158	9.171899
46	1472189	1487373	10110009	9.167668	9.172420
47	1473915	1489157	10110271	9.168178	9.172940
48	1475642	1490941	10110534	9.168686	9.173460
49	1477368	1492725	10110798	9.169194	9.173980
50	1479094	1494510	10111061	9.169702	9.174500



W.	Sinus.	Tangen.	Secans.	Lo. Sin.	Lo. Tan.
100	9902680	71153697	71842665	9.999713	10.842197
99	9902437	71065700	71763845	9.999742	10.841648
98	9902194	70973926	71674948	9.999771	10.841099
97	9901950	70884374	71586273	9.999791	10.840550
96	9901706	70795044	71497820	9.999791	10.840002
95	9901462	70705934	71409587	9.999791	10.839456
94	9901218	70617043	71321573	9.999788	10.838909
93	9900973	70528372	71233779	9.999788	10.838364
92	9900728	70439918	71146202	9.999787	10.837819
91	9900482	70351632	71058843	9.999786	10.837274
90	9900236	70263662	70971700	9.999785	10.836731
89	9899990	70175818	70884773	9.999785	10.836188
88	9899744	70088268	70798060	9.999784	10.835645
87	9899497	70000893	70711562	9.999783	10.835103
86	9899250	69913721	70625277	9.999782	10.834562
85	9899003	69826781	70539204	9.999781	10.834022
84	9898755	69740043	70453344	9.999780	10.833482
83	9898508	69653516	70367694	9.999779	10.832943
82	9898259	69567199	70282254	9.999778	10.832404
81	9898011	69481091	70197022	9.999777	10.831866
80	9897762	69395192	70112001	9.999776	10.831328
79	9897513	69309502	70027187	9.999775	10.830793
78	9897264	69224017	69942580	9.999774	10.830257
77	9897014	69138739	69858179	9.999773	10.829721
76	9896764	69053667	69773984	9.999772	10.829187
75	9896514	68968792	69689974	9.999771	10.828652
74	9896263	68884136	69606208	9.999770	10.828119
73	9896012	68799676	69522625	9.999769	10.827586
72	9895761	68715418	69439245	9.999768	10.827054
71	9895509	68631362	69356066	9.999767	10.826522
70	9895258	68547508	69273089	9.999766	10.825991
69	9895006	68463854	69190312	9.999765	10.825461
68	9894753	68380420	69107735	9.999764	10.824931
67	9894499	68297144	69025357	9.999763	10.824402
66	9894247	68214087	68943177	9.999762	10.823874
65	9893994	68131227	68861195	9.999761	10.823346
64	9893741	68048564	68779409	9.999760	10.822819
63	9893487	67966097	68697820	9.999759	10.822292
62	9893232	67883826	68616426	9.999758	10.821766
61	9892978	67801750	68535227	9.999757	10.821241
60	9892723	67719866	68454221	9.999756	10.820716
59	9892468	67638178	68373409	9.999755	10.820192
58	9892213	67556681	68292750	9.999754	10.819668
57	9891957	67475377	68212263	9.999753	10.819145
56	9891701	67394263	68132127	9.999752	10.818622
55	9891445	67313341	68052082	9.999751	10.818101
54	9891188	67232608	67972226	9.999750	10.817580
53	9890932	67152064	67892560	9.999749	10.817059
52	9890674	67071709	67813083	9.999748	10.816539
51	9890416	66991542	67733793	9.999747	10.816020
50	9890158	66911562	67654691	9.999746	10.815501

	M Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	1478094	1494510	10111061	9.169702	9.174498
51	1479820	1496294	10111235	9.170309	9.175017
52	1481546	1498079	10111589	9.170715	9.175534
53	1483272	1499863	10111854	9.171231	9.176051
54	1484998	1501648	10112119	9.171726	9.176568
55	1486724	1503433	10112384	9.172230	9.177084
56	1488450	1505217	10112649	9.172734	9.177599
57	1490176	1507002	10112915	9.173237	9.178114
58	1491902	1508787	10113181	9.173740	9.178628
59	1493628	1510572	10113448	9.174242	9.179141
60	1495353	1512358	10113715	9.174744	9.179654
61	1497079	1514143	10113982	9.175245	9.180167
62	1498805	1515928	10114249	9.175745	9.180679
63	1500530	1517714	10114517	9.176244	9.181190
64	1502256	1519499	10114785	9.176744	9.181700
65	1503981	1521285	10115053	9.177242	9.182210
66	1505707	1523071	10115322	9.177740	9.182720
67	1507432	1524857	10115591	9.178238	9.183229
68	1509157	1526643	10115861	9.178734	9.183737
69	1510883	1528429	10116130	9.179231	9.184245
70	1512608	1530215	10116400	9.179726	9.184752
71	1514333	1532001	10116671	9.180221	9.185259
72	1516058	1533787	10116941	9.180716	9.185765
73	1517784	1535574	10117212	9.181210	9.186271
74	1519509	1537360	10117484	9.181703	9.186776
75	1521234	1539147	10117755	9.182196	9.187280
76	1522959	1540934	10118027	9.182688	9.187784
77	1524684	1542721	10118299	9.183180	9.188287
78	1526409	1544507	10118572	9.183671	9.188790
79	1528133	1546294	10118845	9.184161	9.189292
80	1529858	1548082	10119118	9.184651	9.189794
81	1531583	1549869	10119392	9.185140	9.190295
82	1533308	1551656	10119666	9.185629	9.190795
83	1535032	1553443	10119940	9.186117	9.191295
84	1536757	1555231	10120214	9.186605	9.191795
85	1538481	1557019	10120489	9.187092	9.192294
86	1540206	1558806	10120764	9.187579	9.192792
87	1541931	1560594	10121040	9.188065	9.193290
88	1543655	1562382	10121316	9.188550	9.193787
89	1545379	1564170	10121592	9.189035	9.194284
90	1547104	1565958	10121868	9.189519	9.194780
91	1548828	1567746	10122145	9.190003	9.195276
92	1550552	1569534	10122422	9.190486	9.195771
93	1552276	1571323	10122700	9.190969	9.196265
94	1554001	1573111	10122978	9.191451	9.196759
95	1555725	1574900	10123256	9.191933	9.197253
96	1557449	1576689	10123534	9.192414	9.197746
97	1559173	1578477	10123813	9.192894	9.198238
98	1560897	1580266	10124092	9.193374	9.198730
99	1562621	1582055	10124371	9.193853	9.199221
—	1564344	1583844	10124651	9.194332	9.199712

M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9890158	66911562	67654691	9.995203	10.824501
49	9889900	66831769	67575775	9.995192	10.824483
48	9889642	66752162	67497045	9.995180	10.824465
47	9889383	66672739	67418500	9.995169	10.824448
46	9889124	66593502	67340140	9.995158	10.824431
45	9888865	66514449	67261954	9.995146	10.824416
44	9888605	66435578	67183372	9.995135	10.824401
43	9888345	66356891	67105162	9.995123	10.824386
42	9888085	66278386	67026534	9.995112	10.824372
41	9887824	66200062	66951088	9.995101	10.824358
40	9887563	66121918	66873822	9.995090	10.824345
39	9887302	66043955	66795733	9.995078	10.819833
38	9887041	65966172	66719331	9.995066	10.819821
37	9886779	65888567	66643101	9.995055	10.819810
36	9886517	65811141	66566555	9.995043	10.819829
35	9886255	65733892	66491184	9.995032	10.817709
34	9885992	65656811	66413990	9.995020	10.817740
33	9885729	65579925	66337973	9.995009	10.817770
32	9885466	65503206	66262131	9.994997	10.817802
31	9885203	65426662	66186465	9.994985	10.817835
30	9884939	65350292	66110973	9.994974	10.817867
29	9884675	65274097	66035655	9.994962	10.817899
28	9884410	65198075	65960511	9.994951	10.817931
27	9884145	65122226	65885539	9.994939	10.817963
26	9883880	65046548	65810740	9.994927	10.817995
25	9883615	64971043	65736112	9.994916	10.818026
24	9883349	64895709	65661656	9.994904	10.818058
23	9883083	64820545	65587369	9.994892	10.818090
22	9882817	64745551	65513253	9.994881	10.818121
21	9882550	64670725	65439306	9.994869	10.818153
20	9882284	64596070	65365528	9.994857	10.818185
19	9882016	64521582	65291918	9.994845	10.818217
18	9881749	64447262	65218476	9.994833	10.818249
17	9881481	64373109	65145200	9.994822	10.818281
16	9881213	64299122	65072091	9.994810	10.818313
15	9880945	64225301	64999148	9.994798	10.818345
14	9880676	64151645	64926370	9.994786	10.818377
13	9880407	64078154	64853757	9.994775	10.818409
12	9880138	64004827	64781308	9.994763	10.818441
11	9879868	63931664	64709023	9.994751	10.818473
10	9879598	63858664	64636901	9.994739	10.818505
9	9879328	63785827	64564942	9.994727	10.818537
8	9879058	63713151	64493144	9.994715	10.818569
7	9878787	63640637	64421508	9.994703	10.818601
6	9878516	63568254	64350033	9.994691	10.818633
5	9878245	63496002	64278719	9.994680	10.818665
4	9877973	63424059	64207564	9.994668	10.818697
3	9877701	63352185	64136568	9.994656	10.818729
2	9877429	63280470	64065731	9.994644	10.818761
1	9877156	63208914	63995053	9.994632	10.818793
0	9876883	63137515	63924532	9.994620	10.818825

M	Sin.	Tang.	Secant.	La. Sin.	Lo. Tan.
0	1564344	1583844	10114651	9.194332	9.193712
1	1566068	1585633	10114931	9.194811	9.194003
2	1567792	1587423	10115211	9.195288	9.194502
3	1569516	1589212	10115492	9.195766	9.195012
4	1571239	1591001	10115774	9.196242	9.195527
5	1572963	1592791	10116055	9.196718	9.196049
6	1574687	1594581	10116336	9.197194	9.196566
7	1576410	1596370	10116618	9.197669	9.197083
8	1578134	1598160	10116900	9.198144	9.197602
9	1579857	1599950	10117183	9.198618	9.198120
10	1581580	1601740	10117466	9.199091	9.198639
11	1583304	1603530	10117749	9.199564	9.199157
12	1585027	1605321	10118033	9.200037	9.199676
13	1586750	1607111	10118317	9.200508	9.200196
14	1588474	1608902	10118601	9.200980	9.200716
15	1590197	1610692	10118886	9.201451	9.201235
16	1591920	1612483	10119171	9.201921	9.201755
17	1593643	1614273	10119456	9.202391	9.202275
18	1595366	1616064	10119741	9.202860	9.202795
19	1597089	1617855	10120027	9.203329	9.203315
20	1598812	1619646	10120313	9.203797	9.203835
21	1600535	1621438	10120600	9.204265	9.204355
22	1602257	1623229	10120887	9.204732	9.204875
23	1603980	1625020	10121174	9.205199	9.205395
24	1605703	1626812	10121462	9.205665	9.205915
25	1607425	1628603	10121749	9.206131	9.206435
26	1609148	1630395	10122038	9.206596	9.206955
27	1610871	1632187	10122326	9.207061	9.207475
28	1612593	1633979	10122615	9.207525	9.207995
29	1614316	1635771	10122904	9.207988	9.208515
30	1616038	1637563	10123193	9.208451	9.209035
31	1617760	1639355	10123482	9.208914	9.209555
32	1619483	1641147	10123772	9.209376	9.210075
33	1621205	1642939	10124064	9.209838	9.210595
34	1622927	1644732	10124355	9.210299	9.211115
35	1624649	1646525	10124646	9.210759	9.211635
36	1626371	1648317	10124937	9.211220	9.212155
37	1628094	1650110	10125229	9.211679	9.212675
38	1629816	1651903	10125521	9.212138	9.213195
39	1631538	1653695	10125813	9.212597	9.213715
40	1633259	1655488	10126106	9.213055	9.214235
41	1634981	1657282	10126399	9.213513	9.214755
42	1636703	1659076	10126692	9.213970	9.215275
43	1638425	1660869	10126986	9.214426	9.215795
44	1640147	1662663	10127280	9.214883	9.216315
45	1641868	1664456	10127574	9.215338	9.216835
46	1643590	1666250	10127869	9.215793	9.217355
47	1645311	1668044	10128164	9.216248	9.217875
48	1647033	1669838	10128459	9.216702	9.218395
49	1648754	1671632	10128755	9.217156	9.218915
50	1650476	1673426	10129051	9.217609	9.219435

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
100	9876833	63137515	63924532	9.994619	10.300287
99	9876610	63066873	63841468	9.994608	10.799737
98	9876337	62995188	63753962	9.994596	10.799307
97	9876063	62923459	63713911	9.994584	10.798818
96	9875787	62851486	63644016	9.994572	10.798329
95	9875514	62782868	63574276	9.994559	10.797841
94	9875240	62712404	63504690	9.994547	10.797353
93	9874965	62641293	63435259	9.994535	10.796866
92	9874689	62571939	63365981	9.994523	10.796379
91	9874414	62501935	63296356	9.994511	10.795893
90	9874138	62432286	63227384	9.994499	10.795408
89	9873862	62362388	63159064	9.994487	10.794923
88	9873585	62292381	63090396	9.994475	10.794439
87	9873308	62222345	63021878	9.994463	10.793954
86	9873031	62152400	62953512	9.994450	10.793470
85	9872754	62082405	62885296	9.994438	10.792987
84	9872476	62012410	62817228	9.994426	10.792505
83	9872198	61942364	62749310	9.994414	10.792023
82	9871920	61872316	62681540	9.994401	10.791541
81	9871641	61802216	62613919	9.994389	10.791060
80	9871362	61741864	62546445	9.994377	10.790580
79	9871083	61673660	62479119	9.994364	10.790103
78	9870804	61605602	62411939	9.994352	10.789620
77	9870524	61537690	62344906	9.994340	10.789141
76	9870244	61469923	62278018	9.994328	10.788662
75	9869963	61402302	62211275	9.994315	10.788184
74	9869683	61334826	62144677	9.994303	10.787707
73	9869402	61267494	62078224	9.994291	10.787230
72	9869120	61200306	62011914	9.994278	10.786753
71	9868839	61133262	61945748	9.994266	10.786277
70	9868557	61066360	61879725	9.994253	10.785802
69	9868275	60999601	61813844	9.994241	10.785327
68	9867992	60932984	61748105	9.994229	10.784852
67	9867709	60866508	61682508	9.994216	10.784378
66	9867426	60800173	61617052	9.994204	10.783905
65	9867143	60733979	61551736	9.994191	10.783432
64	9866859	60667925	61486561	9.994179	10.782959
63	9866575	60602011	61421525	9.994166	10.782487
62	9866291	60536237	61356629	9.994153	10.782015
61	9866006	60470501	61291872	9.994141	10.781544
60	9865721	60404913	61227253	9.994129	10.781073
59	9865436	60339373	61162772	9.994116	10.780603
58	9865151	60274521	61098428	9.994104	10.780134
57	9864865	60209456	61034222	9.994091	10.779664
56	9864578	60144418	60970152	9.994078	10.779196
55	9864292	60079797	60906211	9.994065	10.778727
54	9864005	60015000	60842421	9.994053	10.778260
53	9863719	59950495	60778749	9.994040	10.777792
52	9863431	59886092	60715251	9.994028	10.777325
51	9863144	59821751	60651838	9.994015	10.776859
50	9862856	59757643	60588579	9.994002	10.776393

	M.	Sinus.	Tang.	Secant.	Lo Sin.	Lo Tan.
	50	1652476	1673426	1039051	9.217603	9.223606
	51	1652137	1675220	10139347	9.218052	9.224072
	52	1651919	1677015	10139644	9.218514	9.224537
	53	1651640	1678809	10139941	9.218956	9.225001
	54	1651361	1680504	10140238	9.219417	9.225465
	55	1651082	1682198	10140536	9.219868	9.225922
	56	1650803	1683893	10140833	9.220318	9.226392
	57	1650524	1685598	10141132	9.220768	9.226854
	58	1650245	1687303	10141430	9.221217	9.227316
	59	1650966	1689008	10141729	9.221666	9.227778
	60	1650687	1690713	10142028	9.222114	9.228239
	61	1650408	1692418	10252325	9.222562	9.228700
	62	1650129	1694124	10142523	9.223010	9.229160
	63	1649850	1695829	10142821	9.223457	9.229620
	64	1649571	1697535	10143119	9.223905	9.230079
	65	1649292	1699240	10143417	9.224353	9.230538
	66	1649013	1700946	10143715	9.224799	9.230997
	67	1648734	1702651	10144013	9.225240	9.231455
	68	1648455	1704357	10144311	9.225685	9.231912
	69	1648176	1706062	10144609	9.226129	9.232369
	70	1647897	1707768	10144907	9.226573	9.232825
	71	1647618	1709473	10145205	9.227016	9.233281
	72	1647339	1711179	10145503	9.227458	9.233738
	73	1647060	1712884	10145801	9.227900	9.234193
	74	1646781	1714590	10146099	9.228342	9.234648
	75	1646502	1716295	10146397	9.228784	9.235102
	76	1646223	1718001	10146695	9.229225	9.235556
	77	1645944	1719706	10146993	9.229666	9.236010
	78	1645665	1721412	10147291	9.230108	9.236463
	79	1645386	1723117	10147589	9.230549	9.236915
	80	1645107	1724823	10147887	9.230984	9.237368
	81	1644828	1726528	10148185	9.231422	9.237819
	82	1644549	1728234	10148483	9.231860	9.238271
	83	1644270	1729939	10148781	9.232298	9.238721
	84	1643991	1731645	10149079	9.232735	9.239172
	85	1643712	1733350	10149377	9.233172	9.239622
	86	1643433	1735056	10149675	9.233609	9.240072
	87	1643154	1736761	10149973	9.234044	9.240523
	88	1642875	1738467	10150271	9.234480	9.240973
	89	1642596	1740172	10150569	9.234915	9.241424
	90	1642317	1741878	10150867	9.235349	9.241869
	91	1642038	1743583	10151165	9.235783	9.242312
	92	1641759	1745289	10151463	9.236217	9.242759
	93	1641480	1746994	10151761	9.236650	9.243205
	94	1641201	1748700	10152059	9.237083	9.243651
	95	1640922	1750405	10152357	9.237515	9.244097
	96	1640643	1752111	10152655	9.237947	9.244542
	97	1640364	1753816	10152953	9.238378	9.244987
	98	1640085	1755522	10153251	9.238809	9.245431
	99	1639806	1757227	10153549	9.239240	9.245875
	99	1639527	1758933	10153847	9.239670	9.246319



M	Sinus.	Tangen.	Secant.	La. Sin.	La. Tan.
50	9862846	19757443	60588579	9-994002	10-776493
49	9862568	19699640	60525454	9-993990	10-775928
48	9862279	19639769	60462462	9-993977	10-775463
47	9861990	19576031	60399603	9-993964	10-774936
46	9861701	19510246	60336870	9-993951	10-774434
45	9861412	19443852	60274282	9-993939	10-774071
44	9861122	193751610	60211819	9-993926	10-773608
43	9860832	19312400	60149487	9-993913	10-773145
42	9860542	19249319	60087285	9-993901	10-772683
41	9860251	19186370	60025214	9-993888	10-772222
40	9859960	19123550	59963273	9-993875	10-771760
39	9859669	19060860	59901462	9-993862	10-771300
38	9859377	18998299	59839780	9-993849	10-770839
37	9859086	18935860	59778226	9-993836	10-770379
36	9858794	18873562	59716801	9-993824	10-769920
35	9858501	18811386	59655503	9-993811	10-769461
34	9858208	18749337	59594334	9-993798	10-769003
33	9857915	18687415	59533291	9-993785	10-768545
32	9857622	18625621	59472375	9-993772	10-768087
31	9857328	18563952	59411585	9-993759	10-767630
30	9857034	18502409	59350922	9-993746	10-767174
29	9856740	18440992	59290384	9-993733	10-766717
28	9856446	18379700	59229971	9-943720	10-766262
27	9856151	18318533	59169682	9-933707	10-765806
26	9855856	18257491	59109519	9-993694	10-765352
25	9855560	18196572	59049479	9-993681	10-764897
24	9855265	18135777	58989563	9-993668	10-764443
23	9854969	18075105	58929770	9-993655	10-763990
22	9854672	18014556	58870100	9-993642	10-763537
21	9854376	17954129	58810553	9-993629	10-763084
20	9854079	17893825	58751127	9-993616	10-762632
19	9853782	17833642	58691824	9-993603	10-762180
18	9853484	17773581	58632642	9-993590	10-761729
17	9853186	17713641	58573581	9-993576	10-761276
16	9852888	17653821	58514640	9-993563	10-760825
15	9852590	17594122	58455820	9-993550	10-760374
14	9852291	17534542	58397119	9-993537	10-759928
13	9851992	17475082	58338539	9-993524	10-759479
12	9851693	17415742	58280077	9-993511	10-759031
11	9851393	17356520	58221734	9-993497	10-758583
10	9851093	17297416	58163510	9-993484	10-758135
9	9850793	17238431	58105404	9-993471	10-757688
8	9850492	17179563	58047416	9-993458	10-757241
7	9850191	17120813	57989544	9-993444	10-756794
6	9849890	17062180	57931790	9-993431	10-756348
5	9849589	17003663	57874153	9-993418	10-755903
4	9849287	16945263	57816632	9-993405	10-755457
3	9848985	16886979	57759227	9-993391	10-755013
2	9848682	16828810	57701938	9-993378	10-754568
1	9848380	16770756	57644764	9-993365	10-754124
0	9848077	16712818	57587703	9-993351	10-753681

M	Sine	Tang.	Secant	Lat. Sin.	Lat. Tan.
0	1736481	1763970	10154456	9.229675	9.240118
1	1738000	1765066	10154479	9.229700	9.240161
2	1739519	1766162	10154502	9.229725	9.240204
3	1741038	1767258	10154525	9.229750	9.240247
4	1742556	1768354	10154548	9.229775	9.240290
5	1744075	1769450	10154571	9.229800	9.240333
6	1745594	1770546	10154594	9.229825	9.240376
7	1747112	1771642	10154617	9.229850	9.240419
8	1748631	1772738	10154640	9.229875	9.240462
9	1750149	1773834	10154663	9.229900	9.240505
10	1751667	1774930	10154686	9.229925	9.240548
11	1753186	1776026	10154709	9.229950	9.240591
12	1754704	1777122	10154732	9.229975	9.240634
13	1756222	1778218	10154755	9.229999	9.240677
14	1757740	1779314	10154778	9.230024	9.240720
15	1759258	1780410	10154801	9.230049	9.240763
16	1760776	1781506	10154824	9.230074	9.240806
17	1762294	1782602	10154847	9.230099	9.240849
18	1763812	1783698	10154870	9.230124	9.240892
19	1765330	1784794	10154893	9.230149	9.240935
20	1766848	1785890	10154916	9.230174	9.240978
21	1768366	1786986	10154939	9.230199	9.241021
22	1769884	1788082	10154962	9.230224	9.241064
23	1771402	1789178	10154985	9.230249	9.241107
24	1772920	1790274	10155008	9.230274	9.241150
25	1774438	1791370	10155031	9.230299	9.241193
26	1775956	1792466	10155054	9.230324	9.241236
27	1777474	1793562	10155077	9.230349	9.241279
28	1778992	1794658	10155100	9.230374	9.241322
29	1780510	1795754	10155123	9.230399	9.241365
30	1782028	1796850	10155146	9.230424	9.241408
31	1783546	1797946	10155169	9.230449	9.241451
32	1785064	1799042	10155192	9.230474	9.241494
33	1786582	1800138	10155215	9.230499	9.241537
34	1788100	1801234	10155238	9.230524	9.241580
35	1789618	1802330	10155261	9.230549	9.241623
36	1791136	1803426	10155284	9.230574	9.241666
37	1792654	1804522	10155307	9.230599	9.241709
38	1794172	1805618	10155330	9.230624	9.241752
39	1795690	1806714	10155353	9.230649	9.241795
40	1797208	1807810	10155376	9.230674	9.241838
41	1798726	1808906	10155399	9.230699	9.241881
42	1799244	1810002	10155422	9.230724	9.241924
43	1800762	1811098	10155445	9.230749	9.241967
44	1802280	1812194	10155468	9.230774	9.242010
45	1803798	1813290	10155491	9.230799	9.242053
46	1805316	1814386	10155514	9.230824	9.242096
47	1806834	1815482	10155537	9.230849	9.242139
48	1808352	1816578	10155560	9.230874	9.242182
49	1809870	1817674	10155583	9.230899	9.242225
50	1811388	1818770	10155606	9.230924	9.242268

Nr.	Sines.	Tang.	Secant.	La. Sin.	La. Tan.
106	9848077	56812818	57527705	9-993151	10-753681
99	9847774	56654994	57539760	9-9931338	10-753238
98	9847471	56497284	57473930	9-9931165	10-752795
97	9847167	56339589	57417213	9-9930992	10-752352
96	9846863	56181897	57360511	9-9930819	10-751911
95	9846558	56024208	57303811	9-9930646	10-751470
94	9846253	55866518	57247744	9-9930473	10-751029
93	9845948	55708828	57191480	9-9930300	10-750589
92	9845643	55551138	57135218	9-9930127	10-750149
91	9845338	55393448	57078958	9-9929954	10-749709
90	9845033	55235758	57022698	9-9929781	10-749270
89	9844728	55078068	56966438	9-9929608	10-748831
88	9844423	54920378	56910178	9-9929435	10-748392
87	9844118	54762688	56853918	9-9929262	10-747953
86	9843813	54604998	56797658	9-9929089	10-747514
85	9843508	54447308	56741398	9-9928916	10-747075
84	9843203	54289618	56685138	9-9928743	10-746636
83	9842898	54131928	56628878	9-9928570	10-746197
82	9842593	53974238	56572618	9-9928397	10-745758
81	9842288	53816548	56516358	9-9928224	10-745319
80	9841983	53658858	56460098	9-9928051	10-744880
79	9841678	53501168	56403838	9-9927878	10-744441
78	9841373	53343478	56347578	9-9927705	10-744002
77	9841068	53185788	56291318	9-9927532	10-743563
76	9840763	53028098	56235058	9-9927359	10-743124
75	9840458	52870408	56178798	9-9927186	10-742685
74	9840153	52712718	56122538	9-9927013	10-742246
73	9839848	52555028	56066278	9-9926840	10-741807
72	9839543	52397338	56009918	9-9926667	10-741368
71	9839238	52239648	55953658	9-9926494	10-740929
70	9838933	52081958	55897398	9-9926321	10-740490
69	9838628	51924268	55841138	9-9926148	10-740051
68	9838323	51766578	55784878	9-9925975	10-739612
67	9838018	51608888	55728618	9-9925802	10-739173
66	9837713	51451198	55672358	9-9925629	10-738734
65	9837408	51293508	55616098	9-9925456	10-738295
64	9837103	51135818	55559838	9-9925283	10-737856
63	9836798	50978128	55503578	9-9925110	10-737417
62	9836493	50820438	55447318	9-9924937	10-736978
61	9836188	50662748	55391058	9-9924764	10-736539
60	9835883	50505058	55334798	9-9924591	10-736100
59	9835578	50347368	55278538	9-9924418	10-735661
58	9835273	50189678	55222278	9-9924245	10-735222
57	9834968	50031988	55166018	9-9924072	10-734783
56	9834663	49874298	55109758	9-9923899	10-734344
55	9834358	49716608	55053498	9-9923726	10-733905
54	9834053	49558918	54997238	9-9923553	10-733466
53	9833748	49401228	54940978	9-9923380	10-733027
52	9833443	49243538	54884718	9-9923207	10-732588
51	9833138	49085848	54828458	9-9923034	10-732149
50	9832833	48928158	54772198	9-9922861	10-731710

M	Sinus.	Tang.	Secant.	La. Sin.	La. Tan.
50	1822355	1853350	10170102	9.260633	9.267967
51	1824071	1855196	10170632	9.261042	9.268390
52	1825787	1857001	10171201	9.261450	9.268812
53	1827503	1858807	10171791	9.261858	9.269234
54	1829219	1860612	10171621	9.262266	9.269656
55	1830935	1862418	10171952	9.262673	9.270077
56	1832651	1864224	10172282	9.263080	9.270498
57	1834368	1866030	10172613	9.263486	9.270918
58	1836082	1867836	10172945	9.263892	9.271339
59	1837798	1869642	10173277	9.264298	9.271758
60	1839513	1871449	10173609	9.264703	9.272178
61	1841229	1873255	10173941	9.265108	9.272597
62	1842944	1875062	10174274	9.265512	9.273015
63	1844660	1876869	10174607	9.265916	9.273434
64	1846375	1878676	10174941	9.266320	9.273852
65	1848090	1880483	10175275	9.266723	9.274269
66	1849805	1882290	10175609	9.267126	9.274686
67	1851521	1884097	10175943	9.267528	9.275103
68	1853236	1885904	10176278	9.267931	9.275519
69	1854951	1887712	10176613	9.268332	9.275936
70	1856666	1889519	10176948	9.268734	9.276351
71	1858381	1891327	10177284	9.269135	9.276766
72	1860096	1893135	10177620	9.269535	9.277186
73	1861811	1894943	10177957	9.269935	9.277596
74	1863525	1896751	10178294	9.270335	9.278010
75	1865240	1898559	10178631	9.270735	9.278424
76	1866955	1900367	10178968	9.271134	9.278837
77	1868669	1902176	10179306	9.271532	9.279251
78	1870384	1903984	10179644	9.271931	9.279663
79	1872099	1905793	10179983	9.272329	9.280076
80	1873813	1907602	10180321	9.272725	9.280488
81	1875527	1909411	10180660	9.273123	9.280899
82	1877242	1911220	10181000	9.273520	9.281310
83	1878956	1913029	10181340	9.273916	9.281721
84	1880670	1914838	10181680	9.274312	9.282132
85	1882384	1916648	10182020	9.274708	9.282542
86	1884098	1918457	10182361	9.275103	9.282952
87	1885812	1920267	10182702	9.275498	9.283361
88	1887526	1922076	10183043	9.275893	9.283770
89	1889240	1923886	10183385	9.276287	9.284179
90	1890954	1925696	10183727	9.276681	9.284588
91	1892668	1927506	10184070	9.277074	9.284996
92	1894382	1929317	10184413	9.277467	9.285403
93	1896095	1931127	10184756	9.277860	9.285811
94	1897809	1932937	10185099	9.278252	9.286218
95	1899523	1934748	10185443	9.278644	9.286624
96	1901236	1936559	10185787	9.279036	9.287031
97	1902950	1938370	10186131	9.279427	9.287436
98	1904663	1940181	10186476	9.279818	9.287842
99	1906377	1941992	10186821	9.280209	9.288247
	1908090	1943803	10187167	9.280599	9.288652

M.	Sinus.	Tangen.	Secan.	Lo. Sin.	Log. Tan.
50	9832549	53951571	54974042	9.992666	10.712033
49	9832231	53902666	54822417	9.992652	10.711610
48	9831912	53850260	54770891	9.992638	10.711188
47	9831593	53797952	54719463	9.992624	10.710766
46	9831274	53745742	54668133	9.992610	10.710344
45	9830955	53693630	54616901	9.992596	10.709923
44	9830635	53641615	54565766	9.992581	10.709502
43	9830315	53589698	54514729	9.992567	10.709081
42	9829995	53537878	54463789	9.992553	10.708661
41	9829674	53486154	54412946	9.992539	10.708241
40	9829353	53434527	54362199	9.992525	10.707822
39	9829032	53382906	54311549	9.992511	10.707403
38	9828711	53331562	54260994	9.992496	10.706984
37	9828390	53280222	54210535	9.992482	10.706566
36	9828067	53228979	54160171	9.992468	10.706148
35	9827744	53177830	54109903	9.992454	10.705730
34	9827422	53126776	54059730	9.992439	10.705313
33	9827099	53075817	54009651	9.992425	10.704896
32	9826775	53024952	53959666	9.992411	10.704480
31	9826452	52974181	53909775	9.992397	10.704064
30	9826128	52923504	53859979	9.992382	10.703648
29	9825804	52872921	53810276	9.992368	10.703233
28	9825479	52822431	53760666	9.992354	10.702818
27	9825154	52772033	53711149	9.992339	10.702404
26	9824829	52721729	53661725	9.992325	10.701989
25	9824504	52671517	53612393	9.992310	10.701576
24	9824178	52621397	53563154	9.992296	10.701162
23	9823852	52571370	53514007	9.992282	10.700749
22	9823526	52521434	53464951	9.992268	10.700336
21	9823199	52471589	53415987	9.992253	10.700924
20	9822872	52421836	53367114	9.992238	10.700512
19	9822545	52372173	53318332	9.992224	10.700100
18	9822218	52322601	53269641	9.992209	10.700689
17	9821890	52273120	53221040	9.992195	10.700278
16	9821562	52223729	53172530	9.992180	10.700868
15	9821233	52174428	53124109	9.992166	10.700457
14	9820905	52125217	53075778	9.992151	10.700046
13	9820577	52076095	53027537	9.992137	10.700636
12	9820246	52027062	52979385	9.992122	10.700229
11	9819917	51978118	52931322	9.992108	10.700820
10	9819587	51929264	52883347	9.992093	10.700412
9	9819256	51880497	52835461	9.992078	10.700004
8	9818926	51831819	52787664	9.992064	10.700596
7	9818595	51783228	52739954	9.992049	10.700189
6	9818264	51734726	52692332	9.992035	10.700782
5	9817933	51686311	52644798	9.992020	10.700375
4	9817601	51637983	52597351	9.992005	10.700969
3	9817269	51589742	52549991	9.991991	10.701563
2	9816937	51541588	52502718	9.991976	10.701158
1	9816605	51493521	52455531	9.991961	10.701752
0	9816272	51445540	52408420	9.991946	10.701348

M	Sin.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	1908000	1943803	10187167	9.280599	9.288652
1	1909803	1945614	10187513	9.280988	9.289057
2	1911516	1947426	10187859	9.281378	9.289461
3	1913230	1949237	10188205	9.281767	9.289865
4	1914942	1951049	10188552	9.282156	9.290268
5	1916655	1952861	10188900	9.282544	9.290671
6	1918368	1954673	10189246	9.282932	9.291074
7	1920081	1956485	10189594	9.283319	9.291476
8	1921794	1958297	10189942	9.283706	9.291879
9	1923507	1960109	10190291	9.284094	9.292280
10	1925219	1961921	10190639	9.284480	9.292682
11	1926932	1963734	10190987	9.284866	9.293083
12	1928645	1965547	10191338	9.285252	9.293485
13	1930357	1967360	10191683	9.285638	9.293886
14	1932070	1969173	10192038	9.286023	9.294288
15	1933782	1970986	10192384	9.286407	9.294689
16	1935494	1972799	10192739	9.286792	9.295088
17	1937207	1974612	10193090	9.287176	9.295482
18	1938919	1976426	10193442	9.287560	9.295880
19	1940631	1978239	10193794	9.287943	9.296279
20	1942343	1980053	10194146	9.288326	9.296677
21	1944055	1981867	10194498	9.288708	9.297074
22	1945767	1983681	10194851	9.289091	9.297472
23	1947479	1985495	10195204	9.289473	9.297869
24	1949191	1987309	10195558	9.289855	9.298265
25	1950903	1989123	10195911	9.290236	9.298662
26	1952615	1990938	10196265	9.290616	9.299057
27	1954326	1992752	10196620	9.290997	9.299453
28	1956038	1994567	10196973	9.291377	9.299849
29	1957750	1996382	10197330	9.291757	9.300243
30	1959461	1998197	10197685	9.292137	9.300638
31	1961173	2000012	10198041	9.292516	9.301031
32	1962884	2001827	10198397	9.292895	9.301426
33	1964595	2003643	10198754	9.293273	9.301820
34	1966307	2005458	10199111	9.293651	9.302213
35	1968018	2007273	10199468	9.294029	9.302606
36	1969729	2009089	10199825	9.294406	9.302999
37	1971440	2010905	10200183	9.294783	9.303391
38	1973151	2012721	10200541	9.295160	9.303783
39	1974862	2014537	10200900	9.295537	9.304175
40	1976573	2016353	10201259	9.295913	9.304567
41	1978284	2018170	10201618	9.296288	9.304958
42	1979995	2019986	10201977	9.296664	9.305348
43	1981706	2021803	10202337	9.297039	9.305739
44	1983416	2023619	10202697	9.297414	9.306129
45	1985127	2025437	10203058	9.297788	9.306518
46	1986837	2027254	10203419	9.298162	9.306908
47	1988548	2029071	10203779	9.298536	9.307297
48	1990258	2030888	10204141	9.298909	9.307686
49	1991969	2032705	10204503	9.299282	9.308074
50	1993679	2034523	10204865	9.299655	9.308462



M.	Sinus.	Tangen.	Secant.	La. Sin.	La. Tan.
998	9816272	52445540	52408490	9.991946	10.711348
999	9815998	52397645	52361416	9.991932	10.710943
998	9815600	52349836	52314468	9.991917	10.710539
997	9815271	52302112	52267645	9.991902	10.710135
996	9814937	52254474	52220888	9.991887	10.709732
995	9814603	52206821	52174216	9.991873	10.709328
994	9814268	52159453	52127623	9.991858	10.708926
993	9813933	52112070	52081126	9.991843	10.708523
992	9813598	52064771	52034708	9.991828	10.708121
991	9813262	52017566	51988374	9.991813	10.707719
990	9812926	51970426	51942125	9.991798	10.707318
89	9812590	51923379	51895959	9.991783	10.706917
88	9812254	51876416	51849876	9.991769	10.706516
87	9811917	51829536	51803878	9.991754	10.706116
86	9811580	51782739	51757961	9.991739	10.705716
85	9811243	51736025	51712123	9.991724	10.705316
84	9810905	51689393	51666378	9.991709	10.704917
83	9810567	51642845	51620710	9.991694	10.704518
82	9810229	51596378	51575124	9.991679	10.704119
81	9809890	51549993	51529561	9.991664	10.703721
80	9809551	51503690	51484199	9.991649	10.703323
79	9809212	51457469	51438859	9.991634	10.702925
78	9808873	51411329	51393600	9.991619	10.702528
77	9808533	51365270	51348422	9.991604	10.702131
76	9808193	51319292	51303325	9.991589	10.701734
75	9807853	51273394	51258207	9.991574	10.701338
74	9807512	51227578	51213373	9.991559	10.700942
73	9807171	51181841	51168518	9.991544	10.700546
72	9806830	51136185	51123742	9.991528	10.700151
71	9806488	51090608	51079017	9.991513	10.699756
70	9806146	51045111	51034431	9.991498	10.699361
69	9805804	50999693	50989894	9.991483	10.698967
68	9805462	50954355	50944437	9.991468	10.698573
67	9805119	50909095	50900099	9.991453	10.698180
66	9804776	50863915	50855700	9.991437	10.697786
65	9804433	50818813	50812535	9.991422	10.697393
64	9804089	50773789	50768396	9.991407	10.697001
63	9803745	50728843	50724332	9.991392	10.696608
62	9803401	50683976	50680346	9.991377	10.696216
61	9803056	50639186	50636437	9.991361	10.695824
60	9802712	50594473	50592606	9.991346	10.695433
59	9802366	50549838	50548052	9.991331	10.695042
58	9802021	50505180	50505176	9.991315	10.694651
57	9801675	50460600	50461576	9.991300	10.694261
56	9801329	50416195	50418054	9.991285	10.693871
55	9800983	50372068	50374007	9.991269	10.693481
54	9800636	50327816	50331237	9.991254	10.693092
53	9800289	50283641	50287944	9.991239	10.692703
52	9799942	50239541	50244726	9.991223	10.692314
51	9799595	50195518	50201584	9.991208	10.691925
50	9799247	50151570	50158517	9.991193	10.691537

M	Sinus.	Tang.	Secant.	Co. Sin.	Co. Tan.
50	1993679	2034523	10204865	9.209655	9.308462
51	1993789	2036340	10205123	9.200028	9.308090
52	1993700	2038158	10205391	9.200400	9.309238
53	1993810	2039976	10205654	9.200771	9.309635
54	2000520	2041794	10205918	9.201143	9.310212
55	2002130	2043612	10206182	9.201514	9.310398
56	2003940	2045431	10207046	9.201885	9.310785
57	2005650	2047249	10207410	9.202255	9.311171
58	2007360	2049068	10207775	9.202625	9.311556
59	2009069	2050886	10208140	9.202995	9.311941
60	2010779	2052705	10208505	9.203364	9.312326
61	2012489	2054524	10208872	9.203733	9.312711
62	2014198	2056343	10209238	9.204102	9.313095
63	2015908	2058162	10209605	9.204471	9.313479
64	2017617	2059981	10209972	9.204840	9.313863
65	2019327	2061801	10210339	9.205209	9.314247
66	2021036	2063621	10210705	9.205574	9.314630
67	2022745	2065440	10211074	9.205941	9.315012
68	2024454	2067260	10211443	9.206308	9.315395
69	2026164	2069080	10211811	9.206674	9.315777
70	2027873	2070900	10212180	9.207041	9.316159
71	2029582	2072720	10212549	9.207406	9.316541
72	2031291	2074541	10212919	9.207772	9.316922
73	2033000	2076361	10213289	9.208137	9.317303
74	2034709	2078182	10213659	9.208502	9.317683
75	2036417	2080003	10214030	9.208866	9.318064
76	2038126	2081824	10214401	9.209231	9.318444
77	2039835	2083645	10214772	9.209595	9.318824
78	2041543	2085466	10215144	9.209958	9.319203
79	2043252	2087287	10215516	9.210322	9.319582
80	2044960	2089109	10215888	9.210685	9.319961
81	2046669	2090930	10216261	9.211047	9.320339
82	2048377	2092752	10216634	9.211410	9.320718
83	2050085	2094574	10217007	9.211772	9.322095
84	2051794	2096396	10217381	9.212134	9.321473
85	2053502	2098218	10217755	9.212495	9.321850
86	2055210	2100040	10218129	9.212856	9.322227
87	2056918	2101862	10218504	9.213217	9.322604
88	2058626	2103685	10218879	9.213577	9.322981
89	2060334	2105508	10219254	9.213937	9.323357
90	2062042	2107330	10219630	9.214297	9.323732
91	2063749	2109153	10220006	9.214657	9.324108
92	2065457	2110976	10220382	9.215016	9.324483
93	2067165	2112799	10220759	9.215375	9.324858
94	2068872	2114623	10221136	9.215734	9.325233
95	2070580	2116446	10221514	9.216092	9.325607
96	2072287	2118270	10221891	9.216450	9.325981
97	2073995	2120093	10222269	9.216808	9.326355
98	2075702	2121917	10222648	9.217165	9.326728
99	2077409	2123741	10223027	9.217522	9.327101
—	2079117	2125565	10223406	9.217879	9.327474

M	Sinns.	Tangen	Secant.	Lo. Sin.	Log. Tan
50	9799247	49151570	50158517	9.991193	10.691537
49	9798898	49107697	50115526	9.991177	10.691149
48	9798550	49063900	50072610	9.991161	10.690762
47	9798202	49020177	50029769	9.991146	10.690375
46	9797853	48976529	49987003	9.991131	10.689989
45	9797503	48932956	49944311	9.991115	10.689601
44	9797154	48889457	49901694	9.991101	10.689215
43	9796804	48846032	49859150	9.991084	10.688829
42	9796454	48802681	49816681	9.991069	10.688443
41	9796103	48759405	49774286	9.991053	10.688058
40	9795753	48716201	49731964	9.991037	10.687673
39	9795401	48673071	49689716	9.991022	10.687289
38	9795050	48630014	49647541	9.991006	10.686904
37	9794698	48587031	49605439	9.990991	10.686520
36	9794346	48544119	49563409	9.990975	10.686136
35	9793994	48501281	49521453	9.990960	10.685753
34	9793641	48458516	49479562	9.990944	10.685370
33	9793288	48415822	49437757	9.990928	10.684987
32	9792935	48373201	49395901	9.990913	10.684605
31	9792582	48330651	49354053	9.990897	10.684222
30	9792228	48288173	49312253	9.990881	10.683841
29	9791874	48245767	49271222	9.990866	10.683459
28	9791519	48203432	49230776	9.990850	10.683078
27	9791165	48161168	49188394	9.990834	10.682697
26	9790810	48118976	49147084	9.990818	10.682316
25	9790453	48076854	49105843	9.990803	10.681936
24	9790099	48034802	49064774	9.990787	10.681556
23	9789745	47992822	49023575	9.990771	10.681176
22	9789387	47950911	48982547	9.990755	10.680797
21	9789030	47909071	48941588	9.990739	10.680418
20	9788674	47867300	48900699	9.990724	10.680039
19	9788317	47825599	48859881	9.990708	10.679660
18	9787959	47783968	48819131	9.990692	10.679282
17	9787602	47742406	48778451	9.990676	10.678904
16	9787244	47700913	48737941	9.990660	10.678526
15	9786885	47659490	48697599	9.990644	10.678149
14	9786527	47618135	48656826	9.990628	10.677772
13	9786168	47576849	48616422	9.990612	10.677395
12	9785809	47535631	48576007	9.990597	10.677019
11	9785449	47494482	48535582	9.990581	10.676643
10	9785090	47453401	48495621	9.990565	10.676267
9	9784730	47412387	48455049	9.990549	10.675891
8	9784369	47371442	48415427	9.990533	10.675516
7	9784009	47330564	48375431	9.990517	10.675141
6	9783648	47289754	48335503	9.990501	10.674767
5	9783286	47249011	48295642	9.990485	10.674393
4	9782925	47208336	48255049	9.990469	10.674018
3	9782563	47167727	48215122	9.990452	10.673645
2	9782201	47127105	48176463	9.990436	10.673271
1	9781839	47086709	48136875	9.990420	10.672898
0	9781476	47046301	48097343	9.990404	10.672525

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	2079117	2125564	10223406	9.317679	9.327474
1	2080824	2127390	10223785	9.318235	9.327847
2	2082531	2129214	10224165	9.318791	9.328219
3	2084238	2131039	10224545	9.319347	9.328591
4	2085945	2132863	10224926	9.319903	9.328963
5	2087652	2134688	10225306	9.319958	9.329334
6	2089359	2136515	10225687	9.320013	9.329705
7	2091065	2138338	10226069	9.320067	9.330076
8	2092772	2140163	10226451	9.320122	9.330447
9	2094479	2141989	10226833	9.320176	9.330817
10	2096185	2143814	10227215	9.320230	9.331187
11	2097892	2145640	10227598	9.320283	9.331557
12	2099598	2147465	10227981	9.320336	9.331926
13	2101305	2149291	10228365	9.320389	9.332295
14	2103011	2151117	10228749	9.320441	9.332664
15	2104717	2152943	10229133	9.320494	9.333032
16	2106424	2154770	10229518	9.320546	9.333401
17	2108130	2156596	10229902	9.320597	9.333769
18	2109836	2158422	10230285	9.320649	9.334136
19	2111542	2160249	10230673	9.320700	9.334504
20	2113248	2162076	10231059	9.320750	9.334871
21	2114954	2163903	10231445	9.320801	9.335239
22	2116659	2165730	10231832	9.320851	9.335604
23	2118365	2167558	10232219	9.320901	9.335971
24	2120071	2169385	10232606	9.320950	9.336336
25	2121777	2171213	10232994	9.321000	9.336702
26	2123482	2173040	10233382	9.321049	9.337068
27	2125188	2174868	10233770	9.321097	9.337433
28	2126893	2176696	10234159	9.321145	9.337798
29	2128598	2178524	10234548	9.321193	9.338162
30	2130304	2180353	10234937	9.321241	9.338527
31	2132009	2182181	10235327	9.321289	9.338891
32	2133714	2184009	10235717	9.321337	9.339254
33	2135419	2185838	10236108	9.321385	9.339618
34	2137124	2187667	10236498	9.321433	9.339981
35	2138829	2189496	10236889	9.321481	9.340344
36	2140534	2191325	10237280	9.321529	9.340707
37	2142239	2193154	10237672	9.321577	9.341069
38	2143944	2194983	10238064	9.321625	9.341431
39	2145649	2196812	10238456	9.321673	9.341793
40	2147354	2198642	10238849	9.321721	9.342154
41	2149058	2200472	10239242	9.321769	9.342516
42	2150762	2202302	10239635	9.321817	9.342877
43	2152467	2204132	10240029	9.321865	9.343237
44	2154171	2205962	10240423	9.321913	9.343598
45	2155875	2207793	10240816	9.321961	9.343958
46	2157579	2209623	10241212	9.322009	9.344318
47	2159284	2211454	10241608	9.322057	9.344676
48	2160988	2213284	10242003	9.322105	9.345037
49	2162692	2215115	10242399	9.322153	9.345396
50	2164396	2216946	10242795	9.322201	9.345755

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	9781476	47046301	48097343	9-932404	10-672525
99	9781113	47025958	48057383	9-932388	10-672153
98	9780749	46965682	48018469	9-932372	10-671750
97	9780386	46925471	47979161	9-932356	10-671408
96	9779022	46885327	47939839	9-932340	10-671037
95	9778658	46845248	47900702	9-932325	10-670665
94	9778293	46805125	47861571	9-932307	10-670294
93	9777928	46765286	47822505	9-932291	10-669923
92	9777563	46725403	47783505	9-932275	10-669553
91	9777198	46685585	47744569	9-932259	10-669183
90	9777832	46645832	47705698	9-932242	10-668813
89	9777466	46606144	47666892	9-932226	10-668443
88	9777100	46566520	47628151	9-932210	10-668074
87	9776733	46526960	47589474	9-932194	10-667704
86	9776366	46487465	47550861	9-932177	10-667336
85	9775999	46448033	47512312	9-932161	10-666967
84	9775631	46408666	47473827	9-932145	10-666599
83	9775264	46369362	47435406	9-932128	10-666231
82	9774896	46330122	47397048	9-932112	10-665863
81	9774527	46290945	47358754	9-932096	10-665496
80	9774159	46251832	47320523	9-932079	10-665129
79	9773790	46212781	47282356	9-932063	10-664762
78	9773420	46173794	47244251	9-932046	10-664395
77	9773051	46134809	47206209	9-932030	10-664029
76	9772681	46095807	47168229	9-932014	10-663663
75	9772311	460567207	47130312	9-931997	10-663297
74	9771940	46018470	47092458	9-931981	10-662932
73	9771570	45979795	47054665	9-931964	10-662567
72	9771199	45941182	47016935	9-931948	10-662202
71	9770827	45902631	46979267	9-931931	10-661837
70	9770456	45864141	46941660	9-931915	10-661473
69	9770084	45825713	46904115	9-931898	10-661109
68	9769711	45787347	46866631	9-931881	10-660745
67	9769339	45749042	46829209	9-931865	10-660382
66	9768966	45710797	46791848	9-931848	10-660019
65	9768593	45672614	46754547	9-931832	10-659656
64	9768219	45634492	46717308	9-931815	10-659293
63	9767846	45596430	46680129	9-931799	10-658931
62	9767472	45558429	46643011	9-931782	10-658569
61	9767097	45520489	46605953	9-931765	10-658207
60	9766722	45482608	46568965	9-931749	10-657845
59	9766348	45444788	46532018	9-931732	10-657484
58	9765972	45406927	46495141	9-931715	10-657123
57	9765597	45369327	46458323	9-931699	10-656762
56	9765221	45331666	46421565	9-931682	10-656402
55	9764845	45294104	46384867	9-931665	10-656041
54	9764469	45256582	46348228	9-931648	10-655682
53	9764092	45219110	46311648	9-931632	10-655322
52	9763715	45181716	46275128	9-931615	10-654963
51	9763337	45144371	46238666	9-931599	10-654603
50	9762960	45107085	46202263	9-931581	10-654245

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	2164396	2216946	10247795	9.335337	9.345755
51	2166100	2218778	10243191	9.335678	9.346114
52	2167804	2220609	10243588	9.336019	9.346472
53	2169508	2222440	10243985	9.336361	9.346830
54	2171211	2224272	10244383	9.336702	9.347188
55	2172915	2226104	10244781	9.337043	9.347545
56	2174618	2227936	10245179	9.337383	9.347902
57	2176322	2229768	10245578	9.337723	9.348259
58	2178025	2231600	10245977	9.338063	9.348616
59	2179729	2233432	10246376	9.338402	9.348973
60	2181432	2235265	10246775	9.338741	9.349329
61	2183135	2237097	10247175	9.339081	9.349685
62	2184839	2238930	10247575	9.339419	9.350040
63	2186542	2240763	1024797	9.339778	9.350395
64	2188245	2242596	10248377	9.340096	9.350751
65	2189948	2244429	10248775	9.340424	9.351106
66	2191651	2246262	10249180	9.340771	9.351460
67	2193354	2248096	10249580	9.341107	9.351815
68	2195055	2249929	10249980	9.341446	9.352169
69	2196759	2251763	10250377	9.341782	9.352522
70	2198462	2253597	10250790	9.342119	9.352870
71	2200164	2255431	10251195	9.342455	9.353223
72	2201867	2257265	10251597	9.342791	9.353580
73	2203569	2259100	10252000	9.343127	9.353935
74	2205272	2260934	10252400	9.343462	9.354288
75	2206974	2262769	10252801	9.343797	9.354640
76	2208676	2264604	10253215	9.344132	9.354992
77	2210379	2266438	10253621	9.344467	9.355344
78	2212081	2268273	10254027	9.344801	9.355695
79	2213783	2270109	10254433	9.345135	9.356046
80	2215485	2271944	10254839	9.345469	9.356397
81	2217187	2273780	10255246	9.345802	9.356748
82	2218889	2275615	10255653	9.346136	9.357099
83	2220590	2277451	10256061	9.346468	9.357449
84	2222292	2279287	10256468	9.346801	9.357799
85	2223993	2281123	10256877	9.347133	9.358149
86	2225695	2282959	10257285	9.347466	9.358498
87	2227397	2284796	10257694	9.347797	9.358847
88	2229098	2286632	10258103	9.348129	9.359196
89	2230800	2288469	10258513	9.348460	9.359545
90	2232501	2290306	10258923	9.348791	9.359893
91	2234202	2292142	10259333	9.349122	9.360241
92	2235903	2293980	10259744	9.349453	9.360589
93	2237604	2295817	10260155	9.349783	9.360937
94	2239306	2297654	10260566	9.350113	9.361285
95	2241007	2299491	10260977	9.350443	9.361631
96	2242707	2301330	10261389	9.350772	9.361979
97	2244408	2303167	10261802	9.351101	9.362325
98	2246109	2305005	10262214	9.351431	9.362672
99	2247810	2306843	10262628	9.351759	9.363018
	2249510	2308682	10263041	9.352088	9.363364



M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9762960	45107085	46202263	9.989581	10.644245
49	9762582	45069857	46165919	9.989565	10.643886
48	9762204	45032689	46129633	9.989548	10.643528
47	9761825	44995578	46093408	9.989531	10.643175
46	9761446	44958526	46057237	9.989514	10.642812
45	9761067	44921532	46021126	9.989497	10.642454
44	9760688	44884596	45985073	9.989480	10.642097
43	9760308	44847717	45949078	9.989463	10.641740
42	9759929	44810897	45913141	9.989446	10.641383
41	9759548	44774134	45877261	9.989430	10.641027
40	9759167	44737428	45841438	9.989413	10.640671
39	9758786	44700780	45805673	9.989396	10.640315
38	9758405	44664189	45769905	9.989379	10.640959
37	9758024	44627654	45734314	9.989362	10.640604
36	9757642	44591177	45698720	9.989345	10.640248
35	9757260	44554756	45663183	9.989328	10.640894
34	9756878	44518392	45627703	9.989311	10.640539
33	9756495	44482085	45592278	9.989294	10.640185
32	9756112	44445833	45556911	9.989277	10.640831
31	9755729	44409638	45521599	9.989260	10.640477
30	9755346	44373499	45486343	9.989242	10.640123
29	9754961	44337416	45451144	9.989225	10.640770
28	9754577	44301399	45416000	9.989208	10.640417
27	9754193	44265417	45380912	9.989191	10.640064
26	9753808	44229501	45345880	9.989174	10.640712
25	9753423	44193641	45310902	9.989157	10.640360
24	9753037	44157835	45275951	9.989140	10.640008
23	9752652	44122085	45241114	9.989123	10.640656
22	9752266	44086390	45206302	9.989105	10.640304
21	9751880	44050750	45171546	9.989088	10.640953
20	9751493	44015164	45136844	9.989071	10.640602
19	9751107	43979633	45102197	9.989054	10.640251
18	9750721	43944157	45067604	9.989036	10.640901
17	9750332	43908735	45033066	9.989019	10.640551
16	9749944	43873367	44998582	9.989002	10.640201
15	9749556	43838053	44964152	9.988985	10.640851
14	9749168	43802794	44929776	9.988967	10.640502
13	9748779	43767588	44895454	9.988950	10.640152
12	9748390	43732436	44861185	9.988933	10.640803
11	9748001	43697338	44826971	9.988915	10.640453
10	9747611	43662293	44792810	9.988898	10.640106
9	9747222	43627301	44758702	9.988881	10.639758
8	9746832	43592363	44724647	9.988863	10.639410
7	9746441	43557478	44690646	9.988846	10.639063
6	9746051	43522645	44656698	9.988828	10.638715
5	9745660	43487866	44622802	9.988811	10.638367
4	9745269	43453140	44588960	9.988794	10.638021
3	9744877	43418466	44555170	9.988776	10.637674
2	9744485	43383844	44521432	9.988759	10.637328
1	9744093	43349275	44487747	9.988741	10.636982
0	9743700	43314750	44454115	9.988724	10.636636

	M	Sinus.	Tang.	Secant	Lo. Sin.	Lo. Tan.
0	224	3810	2308 82	10263041	9-352088	9-563364
1	225	1311	2310520	10263455	9-352416	9-563710
2	225	2311	2312359	10263869	9-352744	9-564055
3	225	4612	2314197	10264283	9-353072	9-564400
4	225	6312	2316036	10264698	9-353399	9-564745
5	225	8012	2317875	10265113	9-353726	9-565090
6	225	9713	2319715	10265528	9-354053	9-565434
7	226	1413	2321554	10265944	9-354380	9-565779
8	226	3113	2323393	10266360	9-354706	9-566123
9	226	4813	2325233	10266777	9-355032	9-566466
10	226	6513	2327073	10267194	9-355358	9-566810
11	226	8213	2328913	10267611	9-355684	9-567153
12	226	9913	2330753	10268028	9-356009	9-567496
13	227	1612	2332593	10268446	9-356337	9-567839
14	227	3312	2334433	10268864	9-356659	9-568181
15	227	5012	2336274	10269282	9-356983	9-568524
16	227	6711	2338114	10269702	9-357308	9-568866
17	227	8411	2339955	10270121	9-357632	9-569207
18	227	10110	2341796	10270541	9-357956	9-569549
19	227	1809	2343637	10270961	9-358279	9-569890
20	228	3509	2345479	10271381	9-358603	9-570231
21	228	5208	2347320	10271802	9-358926	9-570572
22	228	6907	2349162	10272223	9-359248	9-570913
23	228	8606	2351003	10272644	9-359571	9-571253
24	228	10305	2352844	10273065	9-359893	9-571593
25	228	12004	2354687	10273485	9-360215	9-571933
26	229	1705	2356529	10273910	9-360537	9-572273
27	229	3401	2358372	10274333	9-360858	9-572612
28	229	5100	2360214	10274756	9-361180	9-572952
29	229	6879	2362057	10275179	9-361501	9-573290
30	229	8697	2363900	10275603	9-361822	9-573629
31	230	12196	2365743	10276027	9-362142	9-573967
32	230	30894	2367586	10276452	9-362462	9-574306
33	230	49592	2369429	10276876	9-362782	9-574644
34	230	67291	2371272	10277302	9-363102	9-574981
35	230	85989	2373116	10277727	9-363422	9-575319
36	231	10687	2384960	10278153	9-363741	9-575656
37	231	12385	2386803	10278579	9-364060	9-575993
38	231	14083	2388647	10279006	9-364379	9-576330
39	231	15781	2390492	10279433	9-364697	9-576666
40	231	17479	2392336	10279860	9-365016	9-577003
41	231	19177	2394180	10280288	9-365334	9-577339
42	231	20874	2396025	10280716	9-365651	9-577675
43	231	22572	2397870	10281144	9-365969	9-578010
44	231	24270	2399715	10281572	9-366286	9-578346
45	231	25967	2401560	10282001	9-366603	9-578681
46	232	27664	2403405	10282431	9-366920	9-579016
47	232	29362	2405250	10282861	9-367237	9-579351
48	232	31059	2407096	10283291	9-367553	9-579685
49	232	32756	2408942	10283721	9-367869	9-580020
50	232	34453	2410787	10284152	9-368185	9-580354

M.	Sinus.	Tangen.	Secan.	Lo. Sin.	Lo. Tan.
100	9743700	43314758	44454115	9.988724	10.636636
99	9743398	43280294	44420534	9.988706	10.636290
98	9742915	43245881	44387005	9.988689	10.635945
97	9742521	43211521	44353522	9.988671	10.635599
96	9742128	43177212	44320104	9.988654	10.635254
95	9741734	43142955	44285721	9.988636	10.634910
94	9741339	43108749	44251340	9.988618	10.634565
93	9740945	43074595	44216939	9.988601	10.634221
92	9740550	43040402	44182621	9.988583	10.633877
91	9740155	43006240	44148353	9.988566	10.633533
90	9739759	42972140	44114057	9.988548	10.633190
89	9739364	42938400	44079757	9.988530	10.632847
88	9738968	42904691	44045456	9.988513	10.632504
87	9738571	42870743	44011193	9.988495	10.632161
86	9738175	42836946	43976979	9.988477	10.631818
85	9737778	42803199	43942717	9.988460	10.631476
84	9737381	42769502	43908404	9.988442	10.631134
83	9736983	42735856	43874042	9.988424	10.630792
82	9736585	42702260	43839730	9.988406	10.630451
81	9736187	42668714	43805468	9.988389	10.630109
80	9735789	42635217	43771257	9.988371	10.629766
79	9735390	42601771	43737095	9.988353	10.629427
78	9734991	42568374	43702718	9.988335	10.629087
77	9734592	42535027	43668420	9.988318	10.628746
76	9734192	42501730	43634107	9.988300	10.628406
75	9733792	42468481	43600941	9.988282	10.628067
74	9733392	42435282	43567762	9.988264	10.627727
73	9732992	42402133	43534562	9.988246	10.627388
72	9732591	42369032	43501347	9.988228	10.627048
71	9732190	42335980	43468179	9.988210	10.626701
70	9731789	42302977	43435061	9.988192	10.626357
69	9731387	42270022	43401891	9.988175	10.626012
68	9730985	42237117	43368766	9.988157	10.625669
67	9730583	42204259	43335697	9.988139	10.625325
66	9730180	42171450	43302682	9.988121	10.624981
65	9729777	42138600	43269696	9.988103	10.624638
64	9729374	42105977	43236716	9.988085	10.624294
63	9728971	42073311	43203738	9.988067	10.623950
62	9728567	42040696	43170757	9.988049	10.623607
61	9728163	42008127	43137793	9.988031	10.623263
60	9727759	41975605	43104816	9.988013	10.622920
59	9727354	41943133	43071848	9.987995	10.622576
58	9726949	41910707	43038870	9.987976	10.622235
57	9726544	41878328	43005892	9.987958	10.621894
56	9726138	41845907	42972916	9.987940	10.621554
55	9725732	41813511	42940007	9.987922	10.621219
54	9725326	41781146	42907115	9.987904	10.620884
53	9724920	41748836	42874210	9.987886	10.620549
52	9724513	41716513	42841305	9.987868	10.620215
51	9724106	41684204	42808400	9.987850	10.619880
50	9723700	41651908	42775505	9.987831	10.619546

M	Sinus	Tang	Secant	Lo. Sin.	Lo. Tan.
50	2334453	24207 7	10284152	9.368185	9.380354
51	2336151	240233	10284533	9.368501	9.380587
52	2337848	240443	10285014	9.368816	9.381021
53	2339544	2405320	10285446	9.369131	9.381354
54	2341241	2406172	10285878	9.369446	9.381687
55	2342938	2410019	10286311	9.369761	9.382020
56	2344635	2411866	10286744	9.370075	9.382353
57	2346331	2413713	10287177	9.370389	9.382686
58	2348028	2415560	10287610	9.370703	9.383018
59	2349725	2417407	10288044	9.371017	9.383350
60	2351421	2419254	10288478	9.371330	9.383681
61	2353117	2421102	10288913	9.371643	9.384013
62	2354814	2422950	10289348	9.371956	9.384344
63	2356510	2424798	10289783	9.372269	9.384675
64	2358208	2426646	10290219	9.372582	9.385006
65	2359902	2428493	10290655	9.372894	9.385337
66	2361598	2430342	10291091	9.373206	9.385667
67	2363294	2432191	10291528	9.373518	9.385997
68	2364990	2434039	10291965	9.373829	9.386327
69	2366686	2435888	10292402	9.374140	9.386657
70	2368381	2437737	10292840	9.374451	9.386987
71	2370077	2439586	10293278	9.374762	9.387316
72	2371772	2441435	10293717	9.375073	9.387645
73	2373468	2443285	10294156	9.375383	9.387974
74	2375163	2445134	10294595	9.375693	9.388302
75	2376859	2446984	10295034	9.376003	9.388631
76	2378554	2448834	10295474	9.376313	9.388959
77	2380249	2450684	10295914	9.376622	9.389287
78	2381944	2452534	10296355	9.376931	9.389615
79	2383639	2454385	10296796	9.377240	9.389942
80	2385334	2456235	10297237	9.377549	9.390270
81	2387029	2458086	10297679	9.377858	9.390597
82	2388724	2459937	10298121	9.378166	9.390924
83	2390419	2461788	10298563	9.378474	9.391250
84	2392114	2463639	10299006	9.378782	9.391577
85	2393808	2465491	10299449	9.379089	9.391903
86	2395503	2467342	10299892	9.379397	9.392229
87	2397197	2469194	10300336	9.379704	9.392555
88	2398892	2471045	10300780	9.380010	9.392881
89	2400586	2472897	10301224	9.380317	9.393206
90	2402280	2474750	10301669	9.380624	9.393531
91	2403974	2476602	10302114	9.380930	9.393856
92	2405669	2478454	10302560	9.381236	9.394181
93	2407363	2480307	10303005	9.381541	9.394505
94	2409057	2482160	10303452	9.381847	9.394830
95	2410750	2484013	10303898	9.382152	9.395154
96	2412444	2485866	10304345	9.382457	9.395478
97	2414138	2487720	10304791	9.382762	9.395801
98	2415832	2489572	10305240	9.383067	9.396125
99	2417525	2491426	10305688	9.383371	9.396448
	2419218	2493280	10306136	9.383675	9.396771

M	Sine.	Tangen.	Secant.	La. Sin.	La. Tan.
50	9723699	41652998	42836975	9.987831	10.619666
49	9723291	41620994	42805457	9.987813	10.619312
48	9722884	41589038	42774386	9.987795	10.618959
47	9722475	41557127	42743360	9.987777	10.618645
46	9722067	41525265	42712381	9.987758	10.618312
45	9721658	41493446	42681449	9.987740	10.617979
44	9721249	41461674	42650562	9.987722	10.617647
43	9720840	41429948	42619721	9.987704	10.617314
42	9720430	41398268	42588926	9.987686	10.616982
41	9720020	41366634	42558177	9.987667	10.616650
40	9719610	41335046	42527473	9.987649	10.616318
39	9719199	41303503	42496815	9.987630	10.615987
38	9718788	41272005	42466203	9.987612	10.615655
37	9718377	41240553	42435636	9.987594	10.615324
36	9717966	41209146	42405114	9.987575	10.614993
35	9717554	41177784	42374637	9.987557	10.614663
34	9717142	41146467	42344206	9.987538	10.614332
33	9716730	41115195	42313819	9.987520	10.614002
32	9716317	41083968	42283477	9.987501	10.613672
31	9715904	41052786	42253180	9.987483	10.613342
30	9715491	41021648	42222928	9.987465	10.613013
29	9715077	40990555	42192720	9.987446	10.612684
28	9714664	40959507	42162557	9.987428	10.612355
27	9714250	40928503	42132438	9.987409	10.612026
26	9713835	40897543	42102363	9.987391	10.611697
25	9713420	40866627	42072333	9.987372	10.611369
24	9713006	40835755	42042346	9.987353	10.611040
23	9712590	40804927	42012404	9.987335	10.610712
22	9712175	40774143	41982506	9.987316	10.610385
21	9711759	40743403	41952651	9.987298	10.610057
20	9711343	40712707	41922840	9.987279	10.609730
19	9710926	40682054	41893073	9.987260	10.609403
18	9710509	40651445	41863349	9.987242	10.609076
17	9710092	40620879	41833668	9.987223	10.608749
16	9709675	40590357	41804031	9.987205	10.608423
15	9709257	40559876	41774437	9.987186	10.608096
14	9708839	40529441	41744887	9.987167	10.607770
13	9708421	40499047	41715379	9.987148	10.607445
12	9708003	40468697	41685914	9.987130	10.607119
11	9707584	40438390	41656492	9.987111	10.606794
10	9707165	40408125	41627113	9.987092	10.606469
9	9706745	40377903	41597777	9.987073	10.606144
8	9706325	40347723	41568483	9.987055	10.605819
7	9705905	40317586	41539231	9.987036	10.605494
6	9705485	40287492	41510033	9.987017	10.605170
5	9705065	40257440	41480856	9.986998	10.604846
4	9704644	40227429	41451732	9.986979	10.604522
3	9704222	40197461	41422650	9.986961	10.604198
2	9703801	40167535	41393609	9.986942	10.603871
1	9703379	40137651	41364611	9.986923	10.603552
0	9702957	40107809	41335655	9.986904	10.603225

M	Sinus	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	2419310	2493280	10306136	9.383677	9.396771
1	2420912	2495134	10306585	9.383979	9.397093
2	2422606	2496908	10307034	9.384283	9.397416
3	2424299	2498842	10307483	9.384586	9.397738
4	2425993	2500596	10307933	9.384889	9.398061
5	2427685	2502551	10308383	9.385192	9.398383
6	2429378	2504405	10308833	9.385495	9.398705
7	2431071	2506261	10309284	9.385797	9.399026
8	2432764	2508116	10309735	9.386100	9.399347
9	2434457	2509971	10310187	9.386402	9.399669
10	2436150	2511826	10310639	9.386704	9.399989
11	2437843	2513682	10311091	9.387006	9.400310
12	2439535	2515537	10311543	9.387307	9.400631
13	2441228	2517393	10311996	9.387608	9.400951
14	2442920	2519249	10312449	9.387909	9.401271
15	2444613	2521105	10312903	9.388210	9.401591
16	2446305	2522961	10313357	9.388510	9.401911
17	2447997	2524818	10313811	9.388811	9.402230
18	2449690	2526675	10314266	9.389111	9.402549
19	2451382	2528532	10314721	9.389411	9.402868
20	2453074	2530389	10315176	9.389710	9.403187
21	2454766	2532246	10315632	9.390010	9.403506
22	2456458	2534103	10316088	9.390309	9.403824
23	2458149	2535961	10316545	9.390608	9.404142
24	2459841	2537818	10317001	9.390907	9.404460
25	2461533	2539676	10317459	9.391205	9.404778
26	2463224	2541534	10317916	9.391504	9.405096
27	2464916	2543392	10318374	9.391802	9.405413
28	2466607	2545251	10318832	9.392100	9.405730
29	2468299	2547109	10319291	9.392398	9.406047
30	2469990	2548968	10319750	9.392695	9.406364
31	2471681	2550827	10320209	9.392992	9.406681
32	2473372	2552686	10320669	9.393289	9.406997
33	2475063	2554545	10321129	9.393586	9.407313
34	2476754	2556404	10321589	9.393882	9.407629
35	2478445	2558263	10322050	9.394179	9.407945
36	2480136	2560123	10322511	9.394475	9.408261
37	2481827	2561983	10322972	9.394771	9.408576
38	2483518	2563843	10323434	9.395067	9.408891
39	2485208	2565703	10323896	9.395363	9.409206
40	2486899	2567563	10324359	9.395658	9.409521
41	2488589	2569424	10324821	9.395953	9.409836
42	2490280	2571285	10325285	9.396248	9.410150
43	2491970	2573145	10325748	9.396543	9.410464
44	2493660	2575006	10326212	9.396837	9.410778
45	2495350	2576867	10326676	9.397131	9.411092
46	2497040	2578729	10327141	9.397425	9.411405
47	2498730	2580590	10327606	9.397719	9.411719
48	2500420	2582452	10328071	9.398013	9.412032
49	2502110	2584314	10328537	9.398306	9.412345
50	2503800	2586176	10329003	9.398599	9.412658



M.	Sims.	Tangen.	Secant.	Ln. Sin.	Log. Tan.
100	9701957	40167809	41331655	9.986994	10.603220
99	9701535	40078009	41306740	9.986981	10.603190
98	9701112	40088150	41277867	9.986968	10.603163
97	9701689	40018533	41249036	9.986954	10.603136
96	9701266	39988857	41220246	9.986941	10.603109
95	9700842	39959223	41191497	9.986928	10.603082
94	9700418	39929630	41162790	9.986915	10.603055
93	9699994	39900078	41134124	9.986902	10.603028
92	9699570	39870567	41105500	9.986889	10.603001
91	9699145	39841097	41076916	9.986876	10.602974
90	9698720	39811669	41048373	9.986863	10.602947
89	9698295	39782281	41019872	9.986850	10.602920
88	9697869	39752934	40991410	9.986837	10.602893
87	9697443	39723627	40962990	9.986824	10.602866
86	9697017	39694362	40934611	9.986811	10.602839
85	9696590	39665136	40906271	9.986798	10.602812
84	9696164	39635952	40877973	9.986785	10.602785
83	9695736	39606807	40849714	9.986772	10.602758
82	9695309	39577703	40821496	9.986759	10.602731
81	9694881	39548639	40793319	9.986746	10.602704
80	9694453	39519615	40765181	9.986733	10.602677
79	9694025	39490631	40737083	9.986720	10.602650
78	9693596	39461687	40709025	9.986707	10.602623
77	9693168	39432783	40681008	9.986694	10.602596
76	9692738	39403919	40653029	9.986681	10.602569
75	9692309	39375094	40625091	9.986668	10.602542
74	9691879	39346309	40597192	9.986655	10.602515
73	9691449	39317563	40569333	9.986642	10.602488
72	9691019	39288857	40541513	9.986629	10.602461
71	9690588	39260190	40513733	9.986616	10.602434
70	9690157	39231563	40485991	9.986603	10.602407
69	9689726	39202974	40458289	9.986590	10.602380
68	9689294	39174425	40430627	9.986577	10.602353
67	9688863	39145915	40403003	9.986564	10.602326
66	9688430	39117443	40375418	9.986551	10.602299
65	9687998	39089011	40347872	9.986538	10.602272
64	9687565	39060617	40320365	9.986525	10.602245
63	9687132	39032262	40292896	9.986512	10.602218
62	9686699	39003946	40265466	9.986499	10.602191
61	9686265	38975668	40238075	9.986486	10.602164
60	9685831	38947428	40210722	9.986473	10.602137
59	9685397	38919227	40183408	9.986460	10.602110
58	9684963	38891064	40156131	9.986447	10.602083
57	9684528	38862940	40128893	9.986434	10.602056
56	9684093	38834853	40101694	9.986421	10.602029
55	9683657	38806805	40074532	9.986408	10.602002
54	9683222	38778794	40047408	9.986395	10.601975
53	9682786	38750822	40020322	9.986382	10.601948
52	9682350	38722886	39993274	9.986369	10.601921
51	9681913	38694990	39966264	9.986356	10.601894
50	9681476	38667131	39939291	9.986343	10.601867

M	Sin.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	2503800	2586176	10329003	9.398592	9.412658
51	2505490	2588038	10329469	9.398892	9.412970
52	2507179	2589900	10329936	9.399185	9.413283
53	2508869	2591763	10330403	9.399478	9.413595
54	2510558	2593625	10330871	9.399770	9.413907
55	2512248	2595488	10331338	9.400062	9.414219
56	2513937	2597351	10331807	9.400354	9.414530
57	2515626	2599214	10332275	9.400646	9.414842
58	2517315	2601078	10332744	9.400937	9.415153
59	2519004	2602941	10333213	9.401229	9.415464
60	2520693	2604805	10333683	9.401520	9.415775
61	2522382	2606668	10334153	9.401811	9.416086
62	2524071	2608532	10334623	9.402101	9.416396
63	2525760	2610397	10335094	9.402392	9.416706
64	2527449	2612261	10335565	9.402682	9.417016
65	2529137	2614126	10336036	9.402972	9.417325
66	2530826	2615990	10336508	9.403262	9.417636
67	2532514	2617855	10336980	9.403552	9.417945
68	2534203	2619720	10337453	9.403841	9.418254
69	2535891	2621585	10337926	9.404130	9.418564
70	2537579	2623451	10338399	9.404419	9.418873
71	2539267	2625316	10338872	9.404708	9.419181
72	2540955	2627182	10339346	9.404997	9.419490
73	2542643	2629048	10339821	9.405285	9.419797
74	2544331	2630914	10340295	9.405574	9.420105
75	2546019	2632780	10340770	9.405862	9.420414
76	2547707	2634646	10341246	9.406149	9.420722
77	2549395	2636513	10341721	9.406437	9.421030
78	2551082	2638380	10342197	9.406724	9.421337
79	2552770	2640247	10342674	9.407012	9.421644
80	2554457	2642114	10343150	9.407298	9.421951
81	2556145	2643981	10343628	9.407585	9.422258
82	2557832	2645848	10344105	9.407872	9.422565
83	2559519	2647716	10344583	9.408158	9.422871
84	2561206	2649584	10345061	9.408444	9.423177
85	2562894	2651452	10345540	9.408730	9.423484
86	2564582	2653320	10346019	9.409016	9.423789
87	2566267	2655188	10346498	9.409302	9.424095
88	2567954	2657057	10346978	9.409587	9.424401
89	2569641	2658925	10347458	9.409872	9.424706
90	2571328	2660794	10347938	9.410157	9.425011
91	2573014	2662663	10348419	9.410442	9.425316
92	2574701	2664532	10348900	9.410727	9.425621
93	2576387	2666402	10349381	9.411011	9.425925
94	2578074	2668271	10349863	9.411295	9.426230
95	2579760	2670141	10350345	9.411579	9.426534
96	2581446	2672011	10350828	9.411863	9.426838
97	2583132	2673881	10351311	9.412146	9.427142
98	2584818	2675751	10351794	9.412430	9.427445
99	2586504	2677621	10352278	9.412713	9.427749
—	2588190	2679492	10352762	9.412996	9.428052

M	Sinus	Tangen	Secant	Lo. Sin.	Lo. Tan.
50	9681476	38667131	39939291	9.985941	10.587342
49	9681039	38639309	39912356	9.985922	10.587029
48	9680602	38611525	39885459	9.985902	10.586717
47	9680164	38583774	39858599	9.985883	10.586405
46	9679726	38556068	39831776	9.985863	10.586093
45	9679288	38528396	39804991	9.985843	10.585781
44	9678849	38500761	39778243	9.985824	10.585469
43	9678410	38473163	39751532	9.985804	10.585158
42	9677971	38445602	39724858	9.985784	10.584846
41	9677531	38418078	39698221	9.985764	10.584535
40	9677092	38390591	39671621	9.985745	10.584225
39	9676651	38363141	39645057	9.985725	10.583914
38	9676211	38335727	39618531	9.985705	10.583604
37	9675770	38308350	39592041	9.985685	10.583293
36	9675329	38281010	39565588	9.985666	10.582983
35	9674888	38253706	39539171	9.985646	10.582673
34	9674447	38226439	39512791	9.985626	10.582364
33	9674005	38199208	39486447	9.985606	10.582054
32	9673563	38172013	39460139	9.985586	10.581745
31	9673120	38144855	39433868	9.985566	10.581436
30	9672677	38117733	39407633	9.985547	10.581127
29	9672234	38090640	39381434	9.985527	10.580818
28	9671791	38063596	39355271	9.985507	10.580510
27	9671347	38036582	39329144	9.985487	10.580201
26	9670903	38009603	39303052	9.985467	10.579893
25	9670459	37982660	39276997	9.985447	10.579585
24	9670015	37955753	39250977	9.985427	10.579277
23	9669570	37928882	39224993	9.985407	10.578970
22	9669125	37902046	39199045	9.985387	10.578662
21	9668679	37875246	39173132	9.985367	10.578355
20	9668234	37848481	39147254	9.985347	10.578048
19	9667788	37821751	39121412	9.985327	10.577741
18	9667341	37795057	39095605	9.985307	10.577435
17	9666895	37768397	39069833	9.985287	10.577128
16	9666448	37741773	39044090	9.985267	10.576822
15	9666001	37715184	39018385	9.985247	10.576516
14	9665553	37688630	38992728	9.985227	10.576210
13	9665106	37662111	38967097	9.985207	10.575904
12	9664658	37635627	38941500	9.985186	10.575599
11	9664209	37609177	38915938	9.985166	10.575294
10	9663761	37582765	38890411	9.985146	10.574989
9	9663312	37556383	38864918	9.985126	10.574684
8	9662862	37530037	38839460	9.985106	10.574379
7	9662413	37503726	38814037	9.985085	10.574074
6	9661963	37477441	38788648	9.985065	10.573770
5	9661513	37451127	38763293	9.985045	10.573466
4	9661063	37424999	38737975	9.985025	10.573162
3	9660612	37398825	38712687	9.985004	10.572858
2	9660161	37372685	38687435	9.984984	10.572554
1	9659710	37346580	38662217	9.984964	10.572251
0	9659258	37320503	38637033	9.984944	10.571947

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	2588190	2679491	10352762	9.412096	9.428052
1	2589876	2681362	10353246	9.413279	9.428355
2	2591562	2683233	10353731	9.414361	9.428658
3	2593247	2685104	10354216	9.415344	9.428961
4	2594933	2686976	10354701	9.416326	9.429264
5	2596618	2688847	10355187	9.417308	9.429566
6	2598304	2690719	10355673	9.418290	9.429868
7	2599989	2692590	10356160	9.419271	9.430170
8	2601675	2694462	10356646	9.420253	9.430472
9	2603360	2696335	10357134	9.421234	9.430774
10	2605045	2698207	10357621	9.422215	9.431075
11	2606730	2700079	10358109	9.423196	9.431376
12	2608415	2701952	10358597	9.424177	9.431677
13	2610100	2703825	10359086	9.425158	9.431978
14	2611785	2705698	10359575	9.426139	9.432279
15	2613469	2707571	10360065	9.427120	9.432580
16	2615154	2709444	10360554	9.428101	9.432880
17	2616838	2711318	10361044	9.429082	9.433180
18	2618523	2713192	10361535	9.430063	9.433480
19	2620207	2715065	10362026	9.431044	9.433780
20	2621892	2716940	10362517	9.432025	9.434080
21	2623576	2718814	10363008	9.433006	9.434379
22	2625260	2720688	10363500	9.433987	9.434679
23	2626944	2722563	10363993	9.434968	9.434978
24	2628628	2724438	10364485	9.435949	9.435277
25	2630312	2726313	10364978	9.436930	9.435576
26	2631996	2728188	10365472	9.437911	9.435874
27	2633680	2730063	10365966	9.438892	9.436173
28	2635363	2731939	10366460	9.439873	9.436471
29	2637047	2733814	10366954	9.440854	9.436769
30	2638730	2735690	10367449	9.441835	9.437067
31	2640414	2737566	10367944	9.442816	9.437364
32	2642097	2739442	10368440	9.443797	9.437662
33	2643780	2741319	10368936	9.444778	9.437959
34	2645464	2743195	10369432	9.445759	9.438257
35	2647147	2745072	10369929	9.446740	9.438554
36	2648830	2746949	10370426	9.447721	9.438850
37	2650513	2748826	10370923	9.448702	9.439147
38	2652195	2750704	10371421	9.449683	9.439444
39	2653878	2752581	10371919	9.450664	9.439740
40	2655561	2754458	10372417	9.451645	9.440036
41	2657244	2756336	10372916	9.452626	9.440332
42	2658927	2758214	10373415	9.453607	9.440628
43	2660610	2760093	10373915	9.454588	9.440924
44	2662293	2761971	10374415	9.455569	9.441219
45	2663976	2763850	10374915	9.456550	9.441514
46	2665659	2765728	10375416	9.457531	9.441809
47	2667342	2767607	10375917	9.458512	9.442104
48	2669025	2769486	10376418	9.459493	9.442399
49	2670708	2771366	10376920	9.460474	9.442694
50	2672391	2773245	10377422	9.461455	9.442989

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	969258	37320508	38637022	9.984944	10.571947
99	9698806	37294470	38611883	9.984922	10.571644
98	9698354	37268466	38586767	9.984905	10.571341
97	9697902	37242496	38561685	9.984883	10.571039
96	9697449	37216560	38536636	9.984862	10.570736
95	9696996	37190658	38511632	9.984842	10.570434
94	9696542	37164739	38486641	9.984821	10.570131
93	9696089	37138953	38461693	9.984801	10.569829
92	9695635	37113151	38436779	9.984781	10.569528
91	9695181	37087383	38411899	9.984760	10.569226
90	9694726	37061647	38387051	9.984740	10.568925
89	9694271	37035945	38362237	9.984719	10.568623
88	9693816	37010277	38337457	9.984699	10.568322
87	9693361	36984641	38312709	9.984678	10.568021
86	9692905	36959039	38287995	9.984658	10.567720
85	9692449	36933469	38263313	9.984637	10.567420
84	9691993	36907933	38238665	9.984617	10.567120
83	9691536	36882429	38214049	9.984596	10.566819
82	9691079	36856958	38189456	9.984575	10.566519
81	9690622	36831520	38164916	9.984555	10.566219
80	9690165	36806114	38140399	9.984535	10.565920
79	9689707	36780742	38115915	9.984514	10.565620
78	9689249	36755401	38091463	9.984493	10.565321
77	9688791	36730093	38067043	9.984473	10.565022
76	9688332	36704818	38042556	9.984452	10.564723
75	9687873	36679575	38018101	9.984431	10.564424
74	9687414	36654364	37993679	9.984411	10.564125
73	9686954	36629186	37969289	9.984390	10.563827
72	9686494	36604040	37944831	9.984369	10.563529
71	9686034	36578925	37920405	9.984349	10.563231
70	9685574	36553843	37895911	9.984328	10.562933
69	9685113	36528793	37871450	9.984307	10.562635
68	9684652	36503775	37847020	9.984286	10.562338
67	9684191	36478788	37822622	9.984266	10.562040
66	9683729	36453834	37800556	9.984245	10.561743
65	9683268	36428911	37776521	9.984224	10.561446
64	9682805	36404020	37752519	9.984203	10.561149
63	9682343	36379160	37728548	9.984182	10.560852
62	9681880	36354332	37704608	9.984162	10.560556
61	9681417	36329536	37680700	9.984141	10.560260
60	9680954	36304771	37656824	9.984120	10.559964
59	9680490	36280037	37632979	9.984099	10.559668
58	9680026	36255235	37609165	9.984078	10.559372
57	9679562	36230462	37585382	9.984057	10.559076
56	9679099	36205722	37561631	9.984036	10.558781
55	9678632	36181415	37537911	9.984015	10.558485
54	9678168	36156837	37514222	9.983994	10.558190
53	9677702	36132290	37490564	9.983973	10.557895
52	9677237	36107774	37466937	9.983952	10.557601
51	9676771	36083289	37443341	9.983931	10.557306
50	9676304	36058835	37419775	9.983910	10.557011

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	2672334	2773245	10377422	9.426899	9.442988
51	2674055	2775125	10377324	9.427172	9.443282
52	2675747	2777004	10377427	9.427445	9.443576
53	2677429	2778835	10378930	9.427718	9.443870
54	2679112	2780765	10379434	9.427990	9.444164
55	2680792	2782645	10379938	9.428263	9.444458
56	2682473	2784525	10380442	9.428535	9.444751
57	2684154	2786407	10380947	9.428807	9.445044
58	2685836	2788288	10381452	9.429079	9.445337
59	2687517	2790169	10381957	9.429351	9.445630
60	2689198	2792050	10382463	9.429623	9.445923
61	2690870	2793931	10382969	9.429894	9.446216
62	2692550	2795813	10383476	9.430165	9.446508
63	2694241	2797695	10383983	9.430436	9.446800
64	2695921	2799577	10384490	9.430707	9.447092
65	2697602	2801459	10384997	9.430978	9.447384
66	2699283	2803342	10385505	9.431248	9.447676
67	2700965	2805224	10386014	9.431519	9.447967
68	2702644	2807107	10386522	9.431789	9.448259
69	2704324	2808990	10387031	9.432059	9.448550
70	2706004	2810873	10387541	9.432328	9.448841
71	2707684	2812756	10388051	9.432598	9.449132
72	2709365	2814640	10388561	9.432867	9.449423
73	2711045	2816523	10389071	9.433136	9.449713
74	2712724	2818407	10389582	9.433406	9.450004
75	2714404	2820291	10390093	9.433674	9.450294
76	2717084	2822176	10390605	9.433943	9.450584
77	2717764	2824060	10391117	9.434212	9.450874
78	2719443	2825945	10391629	9.434480	9.451164
79	2721123	2827830	10392142	9.434748	9.451453
80	2722802	2829715	10392655	9.435016	9.451742
81	2724482	2831600	10393169	9.435284	9.452032
82	2726161	2833485	10393682	9.435551	9.452321
83	2727840	2835371	10394196	9.435819	9.452610
84	2729519	2837256	10394711	9.436086	9.452898
85	2731198	2839142	10395226	9.436353	9.453187
86	2732877	2841028	10395741	9.436620	9.453475
87	2734556	2842915	10396257	9.436887	9.453764
88	2736235	2844801	10396773	9.437153	9.454052
89	2737913	2846688	10397289	9.437420	9.454340
90	2739592	2848575	10397806	9.437686	9.454627
91	2741271	2850462	10398323	9.437952	9.454915
92	2742950	2852349	10398841	9.438218	9.455202
93	2744629	2854236	10399359	9.438483	9.455490
94	2746306	2856124	10399877	9.438749	9.455777
95	2747984	2858012	10400396	9.439014	9.456064
96	2749662	2859900	10400915	9.439279	9.456351
97	2751340	2861788	10401434	9.439544	9.456637
98	2753018	2863676	10401954	9.439809	9.456924
99	2754696	2865565	10402474	9.440073	9.457210
	2756373	2867453	10402994	9.440338	9.457496



M	Sin.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9636304	36058835	37419779	9.983910	10.557011
49	9635837	36034411	37396241	9.983889	10.556717
48	9635371	36010219	37372737	9.983868	10.556423
47	9634903	35985657	37349204	9.983847	10.556129
46	9634436	35961325	37325821	9.983826	10.555835
45	9633978	35937024	37302409	9.983805	10.555542
44	9633500	35912754	37279027	9.983784	10.555249
43	9633032	35888514	37255676	9.983763	10.554955
42	9632564	35864324	37232355	9.983742	10.554662
41	9632095	35840124	37209055	9.983721	10.554369
40	9631625	35815975	37185805	9.983700	10.554077
39	9631156	35791856	37162575	9.983679	10.553784
38	9630686	35767767	37139375	9.983657	10.553492
37	9630216	35743708	37116205	9.983636	10.553199
36	9629746	35719679	37093065	9.983615	10.552907
35	9629275	35695680	37069950	9.983594	10.552615
34	9628804	35671711	37046876	9.983572	10.552324
33	9628333	35647772	37023826	9.983551	10.552032
32	9627861	35623863	37000805	9.983530	10.551741
31	9627389	35599943	36977815	9.983508	10.551450
30	9626917	35576033	36954854	9.983487	10.551159
29	9626445	35552112	36931923	9.983466	10.550868
28	9625972	35528211	36909021	9.983444	10.550577
27	9625499	35504360	36886149	9.983423	10.550286
26	9625026	35480528	36863300	9.983401	10.549996
25	9624552	35456735	36840493	9.983380	10.549706
24	9624078	35432962	36817709	9.983359	10.549416
23	9623604	35409208	36794954	9.983338	10.549126
22	9623130	35385463	36772229	9.983316	10.548836
21	9622655	35361737	36749532	9.983295	10.548547
20	9622180	35338021	36726865	9.983273	10.548257
19	9621704	35314323	36704227	9.983252	10.547968
18	9621229	35290644	36681618	9.983230	10.547679
17	9620753	35266985	36659038	9.983209	10.547390
16	9620277	35243344	36636487	9.983187	10.547101
15	9619800	35219722	36613964	9.983166	10.546813
14	9619323	35196119	36591471	9.983144	10.546524
13	9618846	35172534	36569006	9.983123	10.546236
12	9618369	35148963	36546570	9.983101	10.545948
11	9617891	35125411	36524162	9.983080	10.545660
10	9617413	35101873	36501783	9.983058	10.545372
9	9616935	35078352	36479432	9.983036	10.545085
8	9616456	35054821	36457110	9.983015	10.544797
7	9615977	35031307	36434817	9.982993	10.544510
6	9615498	35007782	36412552	9.982972	10.544223
5	9615018	34984256	36390315	9.982950	10.543936
4	9614539	34960727	36368106	9.982928	10.543649
3	9614059	34937187	36345925	9.982907	10.543362
2	9613578	34913644	36323773	9.982885	10.543076
1	9613098	34890097	36301649	9.982863	10.542790
0	9612617	34866544	36279553	9.982841	10.542503

	M	Sin.	Tang.	Secant	Lo. Sin.	Lo. Tan.
0		2756373	2867454	10402994	9.440338	9.457496
1		2758051	2869343	10403515	9.441002	9.457782
2		2759729	2871232	10404036	9.441666	9.458068
3		2761406	2873121	10404558	9.442330	9.458354
4		2763084	2875011	10405080	9.442994	9.458639
5		2764761	2876900	10405602	9.443657	9.458925
6		2766438	2878790	10406125	9.444321	9.459210
7		2768115	2880680	10406648	9.444984	9.459495
8		2769792	2882570	10407171	9.445647	9.459780
9		2771470	2884461	10407695	9.446310	9.460064
10		2773146	2886351	10408219	9.446973	9.460349
11		2774823	2888242	10408743	9.447635	9.460633
12		2776500	2890133	10409268	9.448297	9.460918
13		2778177	2892025	10409794	9.448960	9.461202
14		2779853	2893916	10410319	9.449622	9.461486
15		2781530	2895808	10410845	9.450284	9.461770
16		2783206	2897699	10411372	9.450945	9.462053
17		2784883	2899591	10411898	9.451607	9.462337
18		2786559	2901483	10412425	9.452268	9.462620
19		2788235	2903376	10412953	9.452929	9.462903
20		2789911	2905268	10413481	9.453590	9.463186
21		2791587	2907161	10414009	9.454251	9.463469
22		2793263	2909054	10414538	9.454912	9.463752
23		2794939	2910947	10415067	9.455572	9.464034
24		2796614	2912840	10415596	9.456233	9.464317
25		2798290	2914734	10416125	9.456893	9.464599
26		2799966	2916628	10416656	9.457553	9.464881
27		2801641	2918522	10417186	9.458212	9.465163
28		2803316	2920416	10417717	9.458872	9.465445
29		2804992	2922310	10418248	9.459531	9.465726
30		2806667	2924204	10418770	9.460191	9.466008
31		2808342	2926099	10419312	9.460849	9.466289
32		2810017	2927994	10419844	9.461509	9.466570
33		2811692	2929889	10420376	9.462168	9.466851
34		2813367	2931784	10420910	9.462826	9.467132
35		2815042	2933680	10421443	9.463485	9.467413
36		2816716	2935575	10421977	9.464143	9.467693
37		2818391	2937471	10422511	9.464801	9.467973
38		2820066	2939367	10423045	9.465459	9.468254
39		2821740	2941263	10423580	9.466118	9.468534
40		2823414	2943160	10424116	9.466774	9.468814
41		2825089	2945056	10424651	9.467432	9.469093
42		2826763	2946953	10425187	9.468089	9.469373
43		2828437	2948850	10425724	9.468745	9.469653
44		2830111	2950747	10426260	9.469401	9.469932
45		2831785	2952645	10426798	9.470057	9.470211
46		2833459	2954542	10427335	9.470713	9.470490
47		2835132	2956440	10427873	9.471368	9.470769
48		2836805	2958338	10428411	9.472024	9.471048
49		2838480	2960236	10428950	9.472679	9.471326
50		2840153	2962135	10429489	9.473334	9.471605

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	9612616	34874144	36279553	9.982341	10.543503
99	9612136	34851186	36257484	9.982320	10.543217
98	9611654	34828256	36235444	9.982298	10.542931
97	9611172	34805353	36213432	9.982276	10.542646
96	9610690	34782479	36191447	9.982254	10.542360
95	9610208	34759632	36169490	9.982233	10.542075
94	9609725	34736813	36147561	9.982211	10.541790
93	9609242	34714021	36125660	9.982189	10.541505
92	9608759	34691258	36103786	9.982167	10.541220
91	9608275	34668521	36081940	9.982145	10.539935
90	9607791	34645813	36060121	9.982123	10.539651
89	9607307	34623131	36038330	9.982101	10.539366
88	9606823	34600477	36016566	9.982079	10.539082
87	9606338	34577851	35994829	9.982058	10.538798
86	9605853	34555251	35973120	9.982036	10.538514
85	9605368	34532679	35951428	9.982014	10.538230
84	9604882	34510134	35929784	9.981992	10.537946
83	9604396	34487616	35908196	9.981970	10.537663
82	9603910	34465126	35886656	9.981948	10.537380
81	9603423	34442662	35865083	9.981926	10.537097
80	9602937	34420226	35843436	9.981904	10.536814
79	9602450	34397816	35821917	9.981882	10.536531
78	9601962	34375433	35800425	9.981860	10.536248
77	9601474	34353077	35778959	9.981838	10.535965
76	9600987	34330747	35757520	9.981816	10.535682
75	9600498	34308446	35736108	9.981794	10.535401
74	9600010	34286170	35714723	9.981772	10.535119
73	9599521	34263920	35693364	9.981750	10.534837
72	9599032	34241698	35672032	9.981728	10.534555
71	9598542	34219502	35650727	9.981706	10.534273
70	9598052	34197333	35629448	9.981684	10.533992
69	9597563	34175190	35608196	9.981662	10.533711
68	9597072	34153073	35586970	9.981640	10.533430
67	9596582	34130983	35565770	9.981618	10.533149
66	9596091	34108919	35544596	9.981596	10.532868
65	9595600	34086881	35523450	9.981574	10.532587
64	9595108	34064870	35502320	9.981552	10.532307
63	9594617	34042885	35481214	9.981530	10.532026
62	9594125	34020925	35460166	9.981508	10.531746
61	9593632	33998992	35439123	9.981486	10.531466
60	9593140	33977085	35418107	9.981464	10.531186
59	9592647	33955204	35397117	9.981442	10.530906
58	9592153	33933349	35376152	9.981420	10.530627
57	9591660	33911519	35355214	9.981398	10.530347
56	9591166	33889716	35334301	9.981376	10.530068
55	9590672	33867938	35313414	9.981354	10.529789
54	9590178	33846186	35292553	9.981332	10.529510
53	9589683	33824459	35271718	9.981310	10.529231
52	9589188	33802759	35250908	9.981288	10.528952
51	9588692	33781084	35230124	9.981266	10.528673
50	9588197	33759434	35209365	9.981244	10.528394

M	Sinns.	Tang.	Secant.	Ln. Sin.	Ln. Tan.
50	2840153	2962135	1042948	9.453342	9.471635
51	2841827	2964033	10430025	9.453597	9.471863
52	2843500	2965932	10430568	9.453853	9.472101
53	2845173	2967831	10431108	9.454109	9.472339
54	2846846	2969730	10431649	9.454364	9.472577
55	2848519	2971630	10432190	9.454619	9.472814
56	2850192	2973529	10432731	9.454874	9.473052
57	2851865	2975429	10433272	9.455129	9.473289
58	2853538	2977329	10433814	9.455384	9.473527
59	2855211	2979229	10434357	9.455638	9.473764
60	2856883	2981129	10434899	9.455892	9.474001
61	2858556	2983030	10435443	9.456147	9.474238
62	2860228	2984931	10435986	9.456401	9.474475
63	2861901	2986831	10436530	9.456654	9.474711
64	2863573	2988733	10437074	9.456908	9.474948
65	2865245	2990634	10437619	9.457162	
66	2866917	2992535	10438164		
67	2868589	2994437	10438709		
68	2870261	2996339	10439255		
69	2871933	2998241	10439801		
70	2873605	3000144	10440348	9.453427	9.477142
71	2875277	3002046	10440894	9.453679	9.477379
72	2876948	3003949	10441442	9.453932	9.477617
73	2878620	3005852	10441989	9.454184	9.477854
74	2880291	3007755	10442537	9.454436	9.478091
75	2881962	3009658	10443086	9.454688	9.478328
76	2883634	3011562	10443634	9.454940	9.478565
77	2885305	3013465	10444181	9.455192	9.478802
78	2886976	3015369	10444733	9.455443	9.479039
79	2888647	3017273	10445283	9.455694	9.479276
80	2890318	3019178	10445833	9.455945	9.479513
81	2891989	3021082	10446384	9.456196	9.480016
82	2893659	3022987	10446935	9.456447	9.480253
83	2895330	3024892	10447486	9.456698	9.480490
84	2897000	3026797	10448038	9.456948	9.480727
85	2898671	3028702	10448590	9.457199	9.480964
86	2900341	3030608	10449143	9.457449	9.481201
87	2902011	3032514	10449696	9.457699	9.481438
88	2903682	3034420	10450249	9.457949	9.481675
89	2905352	3036326	10450802	9.458199	9.481912
90	2907022	3038232	10451356	9.458448	9.482149
91	2908692	3040139	10451911	9.458698	9.482386
92	2910361	3042045	10452466	9.458947	9.482623
93	2912031	3043952	10453021	9.459196	9.482860
94	2913701	3045859	10453576	9.459445	9.483097
95	2915370	3047767	10454131	9.459694	9.483334
96	2917040	3049674	10454688	9.459943	9.483571
97	2918709	3051582	10455245	9.460192	9.483808
98	2920379	3053490	10455802	9.460441	9.484045
99	2922048	3055398	10456360	9.460690	9.484282
	2923717	3057307	10456917	9.460939	9.484519

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9538197	33759434	35209365	9.951737	10.528305
49	9537701	33737810	35188632	9.951714	10.528117
48	9537205	33716211	35167924	9.951692	10.527839
47	9536709	33694638	35147242	9.951669	10.527561
46	9536212	33673030	35126585	9.951647	10.527283
45	9535715	33651568	35105954	9.951624	10.527005
44	9535218	33630070	35085344	9.951602	10.526728
43	9534720	33608598	35064767	9.951579	10.526450
42	9534222	33587151	35044211	9.951557	10.526173
41	9533724	33565730	35023681	9.951534	10.525896
40	9533226	33544333	35003175	9.951512	10.525619
39	9532727	33522961	34982695	9.951489	10.525342
38	9532228	33501615	34962239	9.951466	10.525066
37	9531728	33480273	34941809	9.951444	10.524789
36	9531229	33458936	34921403	9.951421	10.524513
35	9530729	33437724	34901023	9.951398	10.524237
34	9530229	33416477	34880667	9.951376	10.523960
33	9529728	33395255	34860336	9.951353	10.523685
32	9529227	33374057	34840030	9.951330	10.523409
31	9528726	33352834	34819748	9.951308	10.523133
30	9528225	33331730	34799471	9.951285	10.522856
29	9527723	33310612	34779250	9.951262	10.522582
28	9527221	33289515	34759051	9.951239	10.522307
27	9526719	33268438	34738868	9.951217	10.522032
26	9526216	33247388	34718710	9.951194	10.521757
25	9525713	33226362	34698575	9.951171	10.521483
24	9525210	33205361	34678466	9.951148	10.521208
23	9524707	33184384	34658380	9.951125	10.520934
22	9524203	33163431	34638319	9.951102	10.520659
21	9523699	33142502	34618282	9.951080	10.520385
20	9523195	33121598	34598269	9.951057	10.520111
19	9522690	33100713	34578281	9.951034	10.519837
18	9522185	33079861	34558316	9.951011	10.519563
17	9521680	33059029	34538376	9.950988	10.519289
16	9521175	33038221	34518460	9.950965	10.519016
15	9520669	33017437	34498568	9.950942	10.518743
14	9520163	32996677	34478699	9.950919	10.518470
13	9519656	32975941	34458855	9.950896	10.518197
12	9519150	32955229	34439035	9.950873	10.517924
11	9518643	32934540	34419238	9.950850	10.517651
10	9518136	32913875	34399465	9.950827	10.517378
9	9517628	32893234	34379716	9.950804	10.517106
8	9517120	32872617	34359991	9.950781	10.516834
7	9516612	32852023	34340289	9.950758	10.516562
6	9516104	32831453	34320611	9.950735	10.516290
5	9515595	32810907	34300966	9.950712	10.516018
4	9515086	32790384	34281325	9.950689	10.515746
3	9514577	32769883	34261678	9.950666	10.515475
2	9514067	32749408	34242134	9.950643	10.515203
1	9513557	32728955	34222573	9.950619	10.514932
0	9513047	32708526	34203026	9.950596	10.514661

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	2923717	3057307	10456917	9.465935	9.485339
1	2925386	3059215	10457476	9.466183	9.485610
2	2927055	3061124	10458034	9.466431	9.485881
3	2928724	3063033	10458593	9.466678	9.486151
4	2930392	3064942	10459152	9.466926	9.486422
5	2932061	3066852	10459712	9.467173	9.486692
6	2933730	3068761	10460272	9.467420	9.486963
7	2935398	3070671	10460833	9.467667	9.487233
8	2937067	3072581	10461393	9.467914	9.487503
9	2938735	3074491	10461953	9.468160	9.487773
10	2940403	3076401	10462516	9.468407	9.488043
11	2942071	3078312	10463078	9.468653	9.488312
12	2943739	3080223	10463640	9.468899	9.488582
13	2945407	3082134	10464203	9.469145	9.488851
14	2947075	3084045	10464766	9.469391	9.489121
15	2948743	3085957	10465330	9.469637	9.489390
16	2950410	3087868	10465894	9.469882	9.489659
17	2952078	3089778	10466458	9.470128	9.489927
18	2953746	3091692	10467022	9.470373	9.490196
19	2955413	3093604	10467587	9.470618	9.490465
20	2957080	3095517	10468153	9.470863	9.490733
21	2958748	3097430	10468719	9.471108	9.491001
22	2960415	3099342	10469285	9.471352	9.491269
23	2962082	3101256	10469851	9.471597	9.491537
24	2963749	3103169	10470418	9.471841	9.491805
25	2965416	3105082	10470985	9.472085	9.492073
26	2967082	3106996	10471553	9.472329	9.492341
27	2968749	3108910	10472121	9.472573	9.492608
28	2970416	3110824	10472689	9.472817	9.492875
29	2972082	3112738	10473258	9.473061	9.493142
30	2973749	3114653	10473827	9.473304	9.493409
31	2975415	3116568	10474397	9.473547	9.493676
32	2977081	3118483	10474967	9.473790	9.493943
33	2978747	3120398	10475537	9.474033	9.494210
34	2980413	3122313	10476108	9.474276	9.494477
35	2982079	3124228	10476679	9.474519	9.494745
36	2983745	3126143	10477250	9.474761	9.495012
37	2985411	3128058	10477822	9.475004	9.495279
38	2987077	3129973	10478395	9.475246	9.495546
39	2988742	3131888	10478967	9.475488	9.495813
40	2990408	3133803	10479540	9.475730	9.496079
41	2992073	3135727	10480113	9.475972	9.496346
42	2993738	3137644	10480687	9.476214	9.496613
43	2995404	3139561	10481261	9.476455	9.496879
44	2997069	3141478	10481836	9.476697	9.497146
45	2998734	3143396	10482410	9.476938	9.497413
46	3000399	3145314	10482986	9.477179	9.497679
47	3002064	3147232	10483562	9.477420	9.497946
48	3003729	3149150	10484138	9.477661	9.498213
49	3005393	3151068	10484714	9.477902	9.498479
50	3007058	3152988	10485291	9.478142	9.498746



M.	Sinus.	Tanpen	Secant.	Lo. Sin.	Lo. Tan.
100	9563047	32708526	34233386	9.789596	10.514661
99	9562537	32688112	34183423	9.7880573	10.514590
98	9562025	32667737	34164032	9.7865150	10.514119
97	9561515	32647370	34144664	9.7849527	10.513848
96	9561004	32627041	34125120	9.7834003	10.513577
95	9560492	32606728	34105699	9.7818480	10.513307
94	9559980	32586438	34086301	9.7802947	10.513037
93	9559468	32566171	34066927	9.7787434	10.512767
92	9558956	32545927	34047575	9.7771910	10.512496
91	9558443	32525705	34028245	9.7756387	10.512227
90	9557930	32505508	34008941	9.7740864	10.511957
89	9557417	32485333	33989658	9.7725340	10.511687
88	9556903	32465180	33970398	9.7709817	10.511417
87	9556389	32445051	33951161	9.7694294	10.511148
86	9555875	32424944	33931947	9.7678770	10.510879
85	9555360	32404860	33912755	9.7663247	10.510610
84	9554846	32384799	33893586	9.7647723	10.510341
83	9554330	32364760	33874440	9.7632200	10.510072
82	9553815	32344744	33855317	9.7616677	10.509804
81	9553301	32324751	33836216	9.7601153	10.509535
80	9552783	32304780	33817138	9.7585630	10.509267
79	9552267	32284832	33798082	9.7570106	10.509008
78	9551751	32264906	33779049	9.7554583	10.508739
77	9551234	32245003	33760038	9.7539060	10.508472
76	9550717	32225122	33741050	9.7523536	10.508204
75	9550199	32205263	33722084	9.7508012	10.507937
74	9549682	32185427	33703141	9.7492489	10.507669
73	9549164	32165612	33684219	9.7476965	10.507402
72	9548645	32145821	33665320	9.7461442	10.507134
71	9548127	32126051	33646443	9.7445918	10.506867
70	9547608	32106303	33627589	9.7430394	10.506600
69	9547089	32086578	33608756	9.7414871	10.506332
68	9546569	32066875	33589946	9.7399347	10.506065
67	9546049	32047193	33571157	9.7383823	10.505799
66	9545529	32027534	33552391	9.7368300	10.505532
65	9545009	32007897	33533647	9.7352776	10.505267
64	9544488	31988281	33514924	9.7337252	10.505001
63	9543968	31968688	33496224	9.7321729	10.504735
62	9543446	31949116	33477545	9.7306205	10.504469
61	9542925	31929567	33458889	9.7290681	10.504203
60	9542403	31910039	33440254	9.7275158	10.503937
59	9541881	31890532	33421642	9.7259634	10.503672
58	9541359	31871048	33403049	9.7244110	10.503406
57	9540836	31851585	33384479	9.7228586	10.503141
56	9540313	31832144	33365931	9.7213062	10.502876
55	9539790	31812724	33347405	9.7197539	10.502611
54	9539266	31793326	33328900	9.7182015	10.502346
53	9538742	31773940	33310416	9.7166491	10.502081
52	9538218	31754560	33291954	9.7150967	10.501816
51	9537694	31735206	33273514	9.7135443	10.501552
50	9537170	31715948	33255095	9.7119919	10.501287

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	3007058	3152988	10485291	9.478142	9.498722
51	3008722	3154907	10485868	9.478382	9.498986
52	3010387	3156826	10486445	9.478622	9.499250
53	3012051	3158745	10487024	9.478862	9.499514
54	3013715	3160665	10487602	9.479102	9.499778
55	3015379	3162585	10488181	9.479342	9.500042
56	3017043	3164505	10488760	9.479581	9.500306
57	3018707	3166425	10489339	9.479821	9.500569
58	3020371	3168345	10489919	9.480060	9.500832
59	3022035	3170266	10490508	9.480300	9.501096
60	3023699	3172187	10491080	9.480538	9.501359
61	3025362	3174108	10491651	9.480777	9.501621
62	3027026	3176029	10492243	9.481016	9.501884
63	3028689	3177950	10492825	9.481255	9.502147
64	3030352	3179872	10493407	9.481493	9.502409
65	3032016	3181794	10493989	9.481731	9.502672
66	3033679	3183716	10494572	9.481969	9.502934
67	3035342	3185639	10495156	9.482207	9.503196
68	3037005	3187561	10495739	9.482445	9.503458
69	3038668	3189484	10496323	9.482683	9.503720
70	3040330	3191407	10496908	9.482921	9.503982
71	3041993	3193330	10497493	9.483158	9.504244
72	3043656	3195253	10498078	9.483395	9.504506
73	3045318	3197177	10498664	9.483632	9.504767
74	3046980	3199101	10499250	9.483870	9.505028
75	3048643	3201025	10499836	9.484106	9.505289
76	3050305	3202949	10500423	9.484343	9.505550
77	3051967	3204874	10501010	9.484580	9.505811
78	3053629	3206799	10501598	9.484816	9.506071
79	3055291	3208723	10502186	9.485052	9.506332
80	3056953	3210649	10502774	9.485289	9.506593
81	3058615	3212574	10503363	9.485525	9.506853
82	3060276	3214499	10503952	9.485760	9.507113
83	3061938	3216425	10504541	9.485996	9.507373
84	3063599	3218351	10505131	9.486232	9.507633
85	3065261	3220277	10505721	9.486467	9.507893
86	3066922	3222204	10506312	9.486703	9.508153
87	3068583	3224131	10506903	9.486938	9.508412
88	3070244	3226057	10507495	9.487173	9.508672
89	3071905	3227984	10508088	9.487408	9.508931
90	3073566	3229912	10508679	9.487642	9.509192
91	3075227	3231839	10509271	9.487877	9.509450
92	3076887	3233767	10509864	9.488111	9.509709
93	3078548	3235695	10510458	9.488346	9.509967
94	3080209	3237623	10511051	9.488580	9.510226
95	3081869	3239552	10511646	9.488814	9.510485
96	3083529	3241480	10512240	9.489048	9.510743
97	3085190	3243409	10512835	9.489282	9.511002
98	3086850	3245337	10513430	9.489515	9.511260
99	3088512	3247267	10514025	9.489749	9.511518
—	3090172	3249197	10514621	9.489982	9.511776

M	Sin.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9537169	31714948	33255095	9.979419	10.501277
49	9536644	31696657	33236697	9.979395	10.501013
48	9536119	31677387	33218321	9.979371	10.500749
47	9535594	31658139	33199966	9.979348	10.500485
46	9535068	31638912	33181633	9.979324	10.500221
45	9534542	31619706	33163320	9.979300	10.499958
44	9534015	31600521	33145029	9.979276	10.499694
43	9533488	31581358	33126759	9.979252	10.499431
42	9532961	31562116	33108510	9.979228	10.499167
41	9532434	31542904	33090282	9.979204	10.498904
40	9531906	31523694	33072076	9.979180	10.498641
39	9531379	31504495	33053890	9.979156	10.498378
38	9530850	31485306	33035725	9.979131	10.498115
37	9530322	31466819	33017582	9.979107	10.497853
36	9529793	31447801	32999459	9.979083	10.497590
35	9529264	31428807	32981357	9.979059	10.497328
34	9528735	31409832	32963276	9.979035	10.497065
33	9528205	31390878	32945216	9.979011	10.496803
32	9527675	31371945	32927176	9.978987	10.496541
31	9527145	31353033	32909158	9.978963	10.496279
30	9526615	31334141	32891160	9.978938	10.496018
29	9526084	31315270	32873182	9.978914	10.495756
28	9525553	31296419	32855226	9.978890	10.495494
27	9525021	31277589	32837290	9.978866	10.495233
26	9524490	31258780	32819374	9.978842	10.494972
25	9523958	31239991	32801479	9.978817	10.494711
24	9523426	31221223	32783605	9.978793	10.494450
23	9522893	31202475	32765751	9.978769	10.494189
22	9522360	31183747	32747917	9.978744	10.493928
21	9521827	31165040	32730104	9.978720	10.493667
20	9521294	31146353	32712311	9.978696	10.493407
19	9520760	31127686	32694539	9.978671	10.493147
18	9520226	31109040	32676787	9.978647	10.492886
17	9519692	31090414	32659055	9.978623	10.492626
16	9519157	31071808	32641343	9.978598	10.492366
15	9518622	31053223	32623651	9.978574	10.492106
14	9518087	31034657	32605980	9.978549	10.491847
13	9517552	31016112	32588329	9.978525	10.491587
12	9517016	30997586	32570698	9.978501	10.491328
11	9516480	30979081	32553087	9.978476	10.491068
10	9515944	30960596	32535496	9.978452	10.490809
9	9515407	30942120	32517925	9.978427	10.490550
8	9514870	30923685	32500374	9.978403	10.490291
7	9514333	30905259	32482843	9.978378	10.490032
6	9513796	30886851	32465331	9.978354	10.489773
5	9513258	30868468	32447840	9.978329	10.489515
4	9512720	30850102	32430368	9.978305	10.489256
3	9512182	30831756	32412917	9.978280	10.488998
2	9511643	30813429	32395484	9.978255	10.488740
1	9511104	30795122	32378072	9.978231	10.488482
0	9510565	30776835	32360680	9.978206	10.488224

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	1000000	1000000	1000000	9.484952	9.11776
1	1000182	1000182	1000182	9.484952	9.11776
2	1000364	1000364	1000364	9.484952	9.11776
3	1000546	1000546	1000546	9.484952	9.11776
4	1000728	1000728	1000728	9.484952	9.11776
5	1000910	1000910	1000910	9.484952	9.11776
6	1001092	1001092	1001092	9.484952	9.11776
7	1001274	1001274	1001274	9.484952	9.11776
8	1001456	1001456	1001456	9.484952	9.11776
9	1001638	1001638	1001638	9.484952	9.11776
10	1001820	1001820	1001820	9.484952	9.11776
11	1002002	1002002	1002002	9.484952	9.11776
12	1002184	1002184	1002184	9.484952	9.11776
13	1002366	1002366	1002366	9.484952	9.11776
14	1002548	1002548	1002548	9.484952	9.11776
15	1002730	1002730	1002730	9.484952	9.11776
16	1002912	1002912	1002912	9.484952	9.11776
17	1003094	1003094	1003094	9.484952	9.11776
18	1003276	1003276	1003276	9.484952	9.11776
19	1003458	1003458	1003458	9.484952	9.11776
20	1003640	1003640	1003640	9.484952	9.11776
21	1003822	1003822	1003822	9.484952	9.11776
22	1004004	1004004	1004004	9.484952	9.11776
23	1004186	1004186	1004186	9.484952	9.11776
24	1004368	1004368	1004368	9.484952	9.11776
25	1004550	1004550	1004550	9.484952	9.11776
26	1004732	1004732	1004732	9.484952	9.11776
27	1004914	1004914	1004914	9.484952	9.11776
28	1005096	1005096	1005096	9.484952	9.11776
29	1005278	1005278	1005278	9.484952	9.11776
30	1005460	1005460	1005460	9.484952	9.11776
31	1005642	1005642	1005642	9.484952	9.11776
32	1005824	1005824	1005824	9.484952	9.11776
33	1006006	1006006	1006006	9.484952	9.11776
34	1006188	1006188	1006188	9.484952	9.11776
35	1006370	1006370	1006370	9.484952	9.11776
36	1006552	1006552	1006552	9.484952	9.11776
37	1006734	1006734	1006734	9.484952	9.11776
38	1006916	1006916	1006916	9.484952	9.11776
39	1007098	1007098	1007098	9.484952	9.11776
40	1007280	1007280	1007280	9.484952	9.11776
41	1007462	1007462	1007462	9.484952	9.11776
42	1007644	1007644	1007644	9.484952	9.11776
43	1007826	1007826	1007826	9.484952	9.11776
44	1008008	1008008	1008008	9.484952	9.11776
45	1008190	1008190	1008190	9.484952	9.11776
46	1008372	1008372	1008372	9.484952	9.11776
47	1008554	1008554	1008554	9.484952	9.11776
48	1008736	1008736	1008736	9.484952	9.11776
49	1008918	1008918	1008918	9.484952	9.11776
50	1009100	1009100	1009100	9.484952	9.11776



M.	Sin.	Tang.	Secant.	La. Sin.	La. Tan.
50	3173046	3341913	10544923	9.501476	9.524532
51	3174701	3347894	10545533	9.501702	9.524772
52	3176396	3349835	10546155	9.501929	9.525023
53	3178011	3351776	10546772	9.502155	9.525275
54	3179666	3353718	10547389	9.502381	9.525526
55	3181321	3355659	10548007	9.502607	9.525778
56	3182975	3357601	10548625	9.502833	9.526029
57	3184630	3359544	10549243	9.503059	9.526280
58	3186284	3361486	10549861	9.503284	9.526531
59	3187939	3363429	10550481	9.503510	9.526782
60	3189593	3365372	10551101	9.503735	9.527033
61	3191247	3367315	10551721	9.503960	9.527284
62	3192901	3369258	10552341	9.504185	9.527534
63	3194555	3371202	10552962	9.504410	9.527784
64	3196208	3373145	10553583	9.504635	9.528035
65	3197862	3375089	10554204	9.504860	9.528285
66	3199516	3377034	10554826	9.505084	9.528535
67	3201170	3378978	10555448	9.505309	9.528786
68	3202823	3380923	10556071	9.505533	9.529035
69	3204476	3382868	10556694	9.505757	9.529285
70	3206130	3384813	10557318	9.505981	9.529534
71	3207783	3386758	10557942	9.506205	9.529784
72	3209436	3388704	10558566	9.506429	9.530033
73	3211089	3390650	10559191	9.506652	9.530283
74	3212742	3392596	10559816	9.506876	9.530532
75	3214394	3394542	10560441	9.507099	9.530781
76	3216047	3396489	10561067	9.507322	9.531030
77	3217700	3398436	10561693	9.507545	9.531279
78	3219352	3400382	10562320	9.507768	9.531528
79	3221004	3402330	10562947	9.507991	9.531776
80	3222657	3404277	10563574	9.508214	9.532025
81	3224309	3406225	10564202	9.508436	9.532273
82	3225961	3408173	10564830	9.508659	9.532521
83	3227613	3410121	10565459	9.508881	9.532770
84	3229265	3412070	10566088	9.509103	9.533018
85	3230917	3414018	10566717	9.509325	9.533266
86	3232568	3415967	10567347	9.509548	9.533514
87	3234220	3417916	10567976	9.509769	9.533761
88	3235871	3419866	10568606	9.509991	9.534009
89	3237523	3421815	10569232	9.510213	9.534256
90	3239174	3423765	10569871	9.510434	9.534504
91	3240825	3425715	10570502	9.510655	9.534751
92	3242476	3427665	10571135	9.510877	9.534998
93	3244127	3429616	10571767	9.511098	9.535245
94	3245778	3431567	10572400	9.511319	9.535492
95	3247429	3433518	10573034	9.511539	9.535739
96	3249080	3435469	10573667	9.511760	9.535986
97	3250730	3437420	10574302	9.511981	9.536232
98	3252381	3439372	10574936	9.512201	9.536479
99	3254031	3441324	10575571	9.512422	9.536725
—	3255681	3443276	10576207	9.512642	9.536971



M.	Sinus.	Tangen.	Secant.	Le. Sin.	Le. Tan.
50	9481136	29886849	31515453	9.976916	10.475480
49	9481268	29886912	31499024	9.976931	10.475228
48	9481418	29887221	31482611	9.976950	10.474976
47	9481574	29887496	31466217	9.976968	10.474725
46	9481709	29887654	31449841	9.976985	10.474473
45	9480464	298800400	31433483	9.976999	10.474221
44	9479908	29783164	31417142	9.976804	10.473971
43	9479353	29769046	31400820	9.976778	10.473719
42	9478797	29748745	31384516	9.976753	10.473468
41	9478240	29731563	31368230	9.976728	10.473218
40	9477684	29714399	31351961	9.976702	10.472967
39	9477127	29687252	31335711	9.976677	10.472716
38	9476570	29680123	31319478	9.976651	10.472465
37	9476012	29663012	31303263	9.976625	10.472215
36	9475455	29645918	31287065	9.976600	10.471965
35	9474897	29628842	31270886	9.976574	10.471714
34	9474339	29611784	31254724	9.976549	10.471464
33	9473780	29594743	31238579	9.976523	10.471214
32	9473221	29577720	31222453	9.976497	10.470965
31	9472662	29560715	31206343	9.976472	10.470715
30	9472103	29543727	31190252	9.976446	10.470465
29	9471543	29526757	31174178	9.976421	10.470216
28	9470983	29509804	31158121	9.976395	10.469966
27	9470423	29492868	31142082	9.976369	10.469717
26	9469862	29475950	31126061	9.976343	10.469468
25	9469301	29459050	31110057	9.976318	10.469219
24	9468740	29442167	31094070	9.976292	10.468970
23	9468178	29425301	31078100	9.976266	10.468721
22	9467617	29408452	31062148	9.976240	10.468472
21	9467055	29391621	31046214	9.976215	10.468223
20	9466492	29374807	31030296	9.976189	10.467975
19	9465930	29358010	31014396	9.976163	10.467726
18	9465367	29341230	30998513	9.976137	10.467478
17	9464804	29324468	30982647	9.976111	10.467230
16	9464240	29307723	30966799	9.976086	10.466982
15	9463676	29290995	30950967	9.976060	10.466734
14	9463112	29274284	30935153	9.976034	10.466486
13	9462548	29257590	30919355	9.976008	10.466238
12	9461983	29240913	30903575	9.975982	10.465991
11	9461419	29224253	30887812	9.975956	10.465743
10	9460853	29207610	30872066	9.975930	10.465496
9	9460288	29190984	30856337	9.975904	10.465249
8	9459722	29174375	30840625	9.975878	10.465001
7	9459156	29157703	30824930	9.975852	10.464754
6	9458590	29141207	30809251	9.975826	10.464507
5	9458023	29124649	30793590	9.975800	10.464261
4	9457456	29108107	30777945	9.975774	10.464014
3	9456889	29091582	30762317	9.975748	10.463767
2	9456321	29075074	30746706	9.975722	10.463521
1	9455754	29058583	30731112	9.975696	10.463274
0	9455186	29042109	30715535	9.975670	10.463028

M	Sinns.	Tang.	Secant.	Lo. Sin.	Lo Tan
0	3315651	3443270	10576127	9.512643	9.536972
1	3317131	3445123	10576843	9.512863	9.537218
2	3318581	3447181	10577479	9.513082	9.537464
3	3319981	3449134	10578115	9.513302	9.537710
4	3321281	3451087	10578752	9.513521	9.537956
5	3322711	3453040	10579390	9.513741	9.538201
6	3324181	3454994	10580027	9.513960	9.538447
7	3325721	3456947	10580667	9.514180	9.538693
8	3326880	3458902	10581304	9.514399	9.538938
9	3327952	3460856	10581943	9.514618	9.539183
10	3329170	3462810	10582582	9.514837	9.539429
11	3330328	3464765	10583222	9.515056	9.539674
12	3331577	3466720	10583862	9.515274	9.539919
13	3332712	3468675	10584503	9.515493	9.540173
14	3333877	3470531	10585144	9.515711	9.540400
15	3335042	3472386	10585785	9.515930	9.540653
16	3336207	3474242	10586427	9.516148	9.540897
17	3337371	3476098	10587069	9.516366	9.541141
18	3338536	3477955	10587712	9.516584	9.541384
19	3339701	3479811	10588355	9.516802	9.541629
20	3340866	3481668	10588998	9.517020	9.541874
21	3342031	3483525	10589642	9.517237	9.542119
22	3343196	3485383	10590286	9.517455	9.542362
23	3344361	3487240	10590931	9.517672	9.542606
24	3345526	3489098	10591576	9.517889	9.542850
25	3346690	3490956	10592221	9.518106	9.543093
26	3347855	3492814	10592867	9.518323	9.543337
27	3349020	3494673	10593513	9.518540	9.543580
28	3350184	3496532	10594160	9.518757	9.543824
29	3351349	3500091	10594807	9.518973	9.544067
30	3352514	3501950	10595454	9.519190	9.544310
31	3353679	3503809	10596102	9.519407	9.544553
32	3354843	3505669	10596750	9.519623	9.544796
33	3356008	3507528	10597399	9.519840	9.545038
34	3357173	3509387	10598048	9.520055	9.545281
35	3358337	3511246	10598697	9.520271	9.545523
36	3359502	3513111	10599347	9.520487	9.545766
37	3360667	3515071	10600007	9.520702	9.546008
38	3361831	3517033	10600668	9.520918	9.546250
39	3362996	3518994	10601329	9.521133	9.546492
40	3364161	3520956	10601990	9.521349	9.546734
41	3365325	3522918	10602652	9.521564	9.546976
42	3366490	3524880	10603314	9.521779	9.547218
43	3367654	3526842	10603977	9.521994	9.547460
44	3368819	3528805	10604640	9.522209	9.547701
45	3369984	3531168	10605304	9.522423	9.547943
46	3371148	3533331	10605967	9.522638	9.548184
47	3372313	3535294	10606632	9.522852	9.548425
48	3373478	3537258	10607297	9.523067	9.548667
49	3374642	3539221	10607961	9.523281	9.548908
50	3375806	3541186	10608627	9.523495	9.549149

M.	Min.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	9451186	29048109	3071361	9.975670	10.469018
99	9451467	29021651	3069374	9.975644	10.468782
98	94514049	29009210	30684430	9.975618	10.468536
97	94513480	28993785	30668922	9.975592	10.468290
96	94512910	28979377	30653392	9.975565	10.468044
95	94512341	28965986	30637898	9.975539	10.467798
94	94511771	28953611	30622420	9.975513	10.467553
93	94511201	28942253	30606959	9.975487	10.467307
92	94510631	28931911	30591515	9.975461	10.467062
91	94510060	28922486	30576087	9.975434	10.466816
90	9449949	28913877	30560675	9.975408	10.466571
89	944918	289061984	30545280	9.975382	10.466326
88	9448346	28898708	30529902	9.975356	10.466081
87	9447774	288926449	30514539	9.975330	10.465836
86	9447202	28887206	30499194	9.975303	10.465591
85	9446630	288826979	30483864	9.975277	10.465347
84	9446057	28878065	30468551	9.975250	10.465102
83	9445484	288734164	30453254	9.975224	10.464858
82	9444911	28868795	30437974	9.975198	10.464613
81	9444337	288642234	30422710	9.975171	10.464369
80	9443764	28859685	30407462	9.975145	10.464125
79	944319	288550959	30392210	9.975119	10.463881
78	9442615	28850545	30376964	9.975092	10.463637
77	9442040	2884607748	30361819	9.975066	10.463393
76	9441465	28841607	30346581	9.975039	10.463150
75	9440890	288371602	30331454	9.975013	10.462906
74	9440315	28832733	30316313	9.974987	10.462663
73	9439739	28828320	30301176	9.974960	10.462419
72	9439164	28823903	30286059	9.974933	10.462176
71	9438588	28819502	30270951	9.974907	10.461933
70	9438009	28815117	30255864	9.974880	10.461690
69	9437432	28810748	30240797	9.974854	10.461447
68	9436855	28806395	30225742	9.974827	10.461204
67	9436277	28802058	30210702	9.974801	10.460961
66	9435700	28797736	30195679	9.974774	10.460719
65	9435121	28793431	30180671	9.974747	10.460476
64	9434545	28789141	30165680	9.974721	10.460234
63	9433968	28784867	30150704	9.974694	10.460001
62	9433391	28780608	30135743	9.974667	10.459769
61	9432815	28776364	30120799	9.974641	10.459537
60	9432238	28772132	30105870	9.974614	10.459305
59	9431661	28767912	30090957	9.974587	10.459073
58	9431084	28763709	30076060	9.974561	10.458842
57	9430507	28759522	30061178	9.974534	10.458611
56	9429930	28755350	30046312	9.974507	10.458380
55	9429353	28751189	30031462	9.974480	10.458150
54	9428776	28747040	30016627	9.974454	10.457919
53	9428200	28742902	30001808	9.974427	10.457688
52	9427623	28738774	29987004	9.974400	10.457457
51	9427046	28734656	29972216	9.974373	10.457226
50	9426469	28730549	29957445	9.974346	10.456995

M	Dist.	Tang.	Secan.	Lo. Sin.	Lo. Tan.
52	3338008	3541186	10608487	9-523495	9-549549
53	3339714	3543150	10609443	9-523708	9-549780
54	3341319	3545114	10610799	9-523923	9-549980
55	3342924	3547079	10612046	9-524137	9-550171
56	3344529	3549044	10613113	9-524350	9-550311
57	3346134	3551010	10614170	9-524564	9-550452
58	3347738	3552975	10615228	9-524777	9-550592
59	3349342	3554941	10616286	9-524990	9-550732
60	3350946	3556907	10617344	9-525204	9-550872
61	3352550	3558873	10618402	9-525417	9-551012
62	3354154	3560840	10619460	9-525630	9-551152
63	3355758	3562806	10620518	9-525844	9-551292
64	3357362	3564773	10621576	9-526057	9-551432
65	3358966	3566741	10622634	9-526268	9-551571
66	3360570	3568708	10623692	9-526480	9-551711
67	3362174	3570676	10624750	9-526692	9-551850
68	3363778	3572644	10625809	9-526905	9-551990
69	3365382	3574612	10626867	9-527117	9-552129
70	3366986	3576581	10627925	9-527329	9-552268
71	3368590	3578549	10628983	9-527541	9-552407
72	3370194	3580518	10630041	9-527752	9-552546
73	3371798	3582487	10631100	9-527964	9-552684
74	3373402	3584457	10632158	9-528176	9-552823
75	3375006	3586427	10633216	9-528387	9-552962
76	3376610	3588396	10634274	9-528598	9-553100
77	3378214	3590367	10635332	9-528809	9-553239
78	3379818	3592337	10636390	9-529021	9-553377
79	3381422	3594308	10637448	9-529231	9-553515
80	3383026	3596279	10638506	9-529442	9-553653
81	3384630	3598250	10639564	9-529653	9-553791
82	3386234	3600221	10640622	9-529864	9-553929
83	3387838	3602193	10641680	9-530074	9-554067
84	3389442	3604165	10642738	9-530284	9-554204
85	3391046	3606137	10643796	9-530494	9-554342
86	3392650	3608109	10644854	9-530705	9-554480
87	3394254	3610082	10645912	9-530915	9-554617
88	3395858	3612055	10646970	9-531124	9-554754
89	3397462	3614028	10648028	9-531334	9-554891
90	3399066	3616002	10649086	9-531544	9-555028
91	3400670	3617975	10650144	9-531754	9-555165
92	3402274	3619949	10651202	9-531963	9-555302
93	3403878	3621923	10652260	9-532173	9-555439
94	3405482	3623896	10653318	9-532382	9-555576
95	3407086	3625870	10654376	9-532591	9-555712
96	3408690	3627844	10655434	9-532800	9-555849
97	3410294	3629818	10656492	9-533009	9-555985
98	3411898	3631792	10657550	9-533218	9-556122
99	3413502	3633766	10658608	9-533426	9-556259
	3415106	3635740	10659666	9-533635	9-556394
	3416710	3637714	10660724	9-533843	9-556530
	3418314	3639688	10661782	9-534051	9-556666

M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9426415	28229129	29957443	9.974346	10.450851
49	9425832	28223473	29942686	9.974320	10.450610
48	9425249	28217833	29927944	9.974293	10.450370
47	9424666	28212208	29913217	9.974266	10.450129
46	9424082	28206598	29898506	9.974239	10.449888
45	9423498	28201004	29883811	9.974212	10.449648
44	9422914	28195425	29869130	9.974185	10.449408
43	9422329	28189862	29854466	9.974158	10.449167
42	9421745	28184313	29839816	9.974131	10.448927
41	9421160	28178780	29825181	9.974104	10.448687
40	9420574	28173252	29810562	9.974077	10.448447
39	9419989	28167760	29795958	9.974050	10.448208
38	9419403	28162272	29781370	9.974023	10.447968
37	9418817	28156800	29766796	9.973996	10.447728
36	9418230	28151343	29752238	9.973969	10.447489
35	9417643	28145901	29737695	9.973942	10.447249
34	9417056	28140474	29723167	9.973915	10.447010
33	9416469	28135062	29708654	9.973888	10.446771
32	9415881	28129665	29694156	9.973861	10.446532
31	9415293	28124282	29679673	9.973834	10.446293
30	9414705	28118917	29665205	9.973807	10.446054
29	9414117	28113566	29650752	9.973779	10.445815
28	9413528	28108228	29636314	9.973752	10.445576
27	9412939	28102906	29621892	9.973725	10.445338
26	9412350	28097599	29607483	9.973698	10.445099
25	9411760	28092307	29593090	9.973671	10.444861
24	9411170	28087029	29578712	9.973643	10.444623
23	9410580	28081767	29564349	9.973616	10.444385
22	9409989	28076519	29550000	9.973589	10.444146
21	9409399	28071286	29535667	9.973562	10.443908
20	9408807	28066068	29521348	9.973534	10.443671
19	9408216	28060866	29507044	9.973507	10.443432
18	9407624	28055676	29492754	9.973480	10.443193
17	9407033	28050502	29478480	9.973452	10.442958
16	9406440	28045343	29464220	9.973425	10.442720
15	9405848	28040190	29449975	9.973398	10.442483
14	9405255	28035069	29435744	9.973370	10.442245
13	9404662	28029963	29421528	9.973343	10.442008
12	9404069	28024873	29407327	9.973316	10.441771
11	9403475	28019796	29393140	9.973288	10.441534
10	9402881	28014735	29378968	9.973261	10.441297
9	9402287	28009698	29364810	9.973233	10.441061
8	9401692	28004685	29350667	9.973206	10.440824
7	9401098	27999687	29336539	9.973178	10.440587
6	9400502	27994702	29322425	9.973151	10.440351
5	9399907	27989734	29308325	9.973123	10.440114
4	9399311	27984789	29294240	9.973096	10.439878
3	9398716	27979869	29280170	9.973068	10.439642
2	9398119	27974964	29266113	9.973040	10.439406
1	9397523	27970071	29252071	9.973013	10.439170
0	9396926	27965194	29238044	9.972986	10.438934

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	3420201	3639702	10647778	9.534001	9.561066
1	3421841	3641679	10648444	9.534200	9.561301
2	3423481	3643656	10649110	9.534400	9.561537
3	3425121	3645633	10649787	9.534596	9.561773
4	3426761	3647610	10650464	9.534793	9.562008
5	3428400	3649588	10651141	9.534991	9.562244
6	3430040	3651566	10651818	9.535187	9.562479
7	3431679	3653544	10652495	9.535385	9.562714
8	3433318	3655523	10653172	9.535582	9.562949
9	3434958	3657501	10653849	9.535779	9.563184
10	3436597	3659480	10654526	9.535976	9.563419
11	3438236	3661459	10655203	9.536173	9.563654
12	3439875	3663439	10655880	9.536370	9.563889
13	3441513	3665418	10656557	9.536567	9.564123
14	3443152	3667398	10657234	9.536764	9.564358
15	3444791	3669377	10657911	9.536961	9.564592
16	3446430	3671359	10658588	9.537158	9.564827
17	3448069	3673340	10659265	9.537355	9.565061
18	3449708	3675321	10659942	9.537552	9.565295
19	3451344	3677302	10660619	9.537749	9.565529
20	3452982	3679283	10661296	9.537946	9.565763
21	3454620	3681265	10661973	9.538143	9.565997
22	3456258	3683247	10662650	9.538340	9.566231
23	3457895	3685229	10663327	9.538537	9.566465
24	3459533	3687212	10664004	9.538734	9.566699
25	3461170	3689195	10664681	9.538931	9.566933
26	3462808	3691178	10665358	9.539128	9.567167
27	3464445	3693161	10666035	9.539325	9.567401
28	3466082	3695144	10666712	9.539522	9.567635
29	3467719	3697128	10667389	9.539719	9.567869
30	3469356	3699112	10668066	9.539916	9.568103
31	3470993	3701096	10668743	9.540113	9.568337
32	3472630	3703081	10669420	9.540310	9.568571
33	3474267	3705066	10670097	9.540507	9.568805
34	3475903	3707051	10670774	9.540704	9.569039
35	3477540	3709036	10671451	9.540901	9.569273
36	3479176	3711022	10672128	9.541098	9.569507
37	3480812	3713007	10672805	9.541295	9.569741
38	3482448	3714994	10673482	9.541492	9.569975
39	3484084	3716980	10674159	9.541689	9.570209
40	3485720	3718966	10674836	9.541886	9.570442
41	3487356	3720953	10675513	9.542083	9.570676
42	3488991	3722940	10676190	9.542280	9.570910
43	3490627	3724928	10676867	9.542477	9.571144
44	3492263	3726915	10677544	9.542674	9.571378
45	3493898	3728903	10678221	9.542871	9.571612
46	3495534	3730891	10678898	9.543068	9.571846
47	3497169	3732880	10679575	9.543265	9.572080
48	3498804	3734868	10680252	9.543462	9.572314
49	3500439	3736857	10680929	9.543659	9.572548
50	3502074	3738847	10681606	9.543856	9.572782



M.	Sinis.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	9396926	27474774	29138044	9.972986	10.438934
99	9396329	27459861	29124031	9.972958	10.438698
98	9395732	27444962	29110032	9.972930	10.438462
97	9395134	27430078	29196047	9.972903	10.438227
96	9394536	27415208	29182077	9.972876	10.437991
95	9393938	27400352	29168121	9.972847	10.437756
94	9393339	27385510	29154179	9.972820	10.437521
93	9392740	27370682	29140251	9.972792	10.437285
92	9392141	27355869	29126338	9.972764	10.437050
91	9391542	27341069	29112438	9.972737	10.436815
90	9390942	27326284	29098553	9.972709	10.436580
89	9390342	27311513	29084682	9.972681	10.436346
88	9389742	27296756	29070826	9.972653	10.436111
87	9389142	27282013	29056983	9.972626	10.435876
86	9388541	27267284	29043154	9.972598	10.435642
85	9387940	27252569	29029339	9.972570	10.435407
84	9387338	27237868	29015538	9.972542	10.435173
83	9386737	27223181	29001752	9.972514	10.434939
82	9386135	27208508	28987979	9.972487	10.434705
81	9385533	27193849	28974220	9.972459	10.434470
80	9384930	27179204	28960475	9.972431	10.434237
79	9384327	27164573	28946744	9.972403	10.434003
78	9383724	27149955	28933027	9.972375	10.433769
77	9383121	27135352	28919324	9.972347	10.433535
76	9382517	27120762	28905635	9.972319	10.433302
75	9381913	27106186	28891959	9.972291	10.433068
74	9381309	27091624	28878298	9.972263	10.432835
73	9380704	27077075	28864650	9.972235	10.432602
72	9380100	27062541	28851016	9.972207	10.432368
71	9379495	27048020	28837395	9.972179	10.432135
70	9378889	27033513	28823769	9.972151	10.431902
69	9378283	27019019	28810166	9.972123	10.431669
68	9377678	27004539	28796617	9.972095	10.431437
67	9377071	26990073	28783051	9.972067	10.431204
66	9376465	26975620	28769493	9.972039	10.430971
65	9375858	26961181	28755961	9.972011	10.430739
64	9375251	26946756	28742436	9.971982	10.430506
63	9374644	26932344	28728925	9.971954	10.430274
62	9374036	26917946	28715428	9.971926	10.430042
61	9373428	26903561	28701944	9.971898	10.429810
60	9372820	26889180	28688473	9.971870	10.429578
59	9372211	26874812	28675017	9.971842	10.429346
58	9371602	26860457	28661573	9.971814	10.429114
57	9370993	26846115	28648143	9.971785	10.428882
56	9370384	26831839	28634727	9.971757	10.428650
55	9369774	26817535	28621324	9.971729	10.428418
54	9369164	26803244	28607934	9.971701	10.428187
53	9368554	26788967	28594558	9.971672	10.427956
52	9367944	26774703	28581195	9.971644	10.427724
51	9367333	26760452	28567845	9.971616	10.427493
50	9366722	26746215	28554509	9.971587	10.427262

M	ms.	lang.	Secant.	Lo. Sin.	Lo Tan
50	3502074	3738847	10676033	9.543325	9.572737
51	3503708	3740836	10676790	9.544528	9.572968
52	3505343	3742825	10677438	9.544730	9.573199
53	3506978	3744816	10678185	9.544933	9.573430
54	3508512	3746806	10678883	9.545135	9.573661
55	3510246	3748795	10679582	9.545337	9.573892
56	3511880	3750787	10680281	9.545540	9.574122
57	3513515	3752778	10680980	9.545742	9.574353
58	3515149	3754769	10681680	9.545944	9.574583
59	3516782	3756761	10682380	9.546145	9.574813
60	3518416	3758753	10683081	9.546347	9.575044
61	3520050	3760745	10683782	9.546549	9.575274
62	3521684	3762737	10684483	9.546750	9.575504
63	3523317	3764730	10685185	9.546952	9.575734
64	3524950	3766722	10685888	9.547153	9.575963
65	3526584	3768716	10686590	9.547354	9.576193
66	3528217	3770709	10687294	9.547555	9.576423
67	3529850	3772702	10687997	9.547756	9.576652
68	3531483	3774696	10688701	9.547957	9.576882
69	3533116	3776689	10689405	9.548158	9.577111
70	3534748	3778685	10690110	9.548358	9.577341
71	3536381	3780680	10690815	9.548559	9.577570
72	3538013	3782675	10691521	9.548759	9.577799
73	3539646	3784670	10692227	9.548960	9.578028
74	3541278	3786665	10692934	9.549160	9.578257
75	3542910	3788661	10693641	9.549360	9.578486
76	3544542	3790657	10694348	9.549560	9.578714
77	3546174	3792653	10695056	9.549760	9.578943
78	3547806	3794650	10695764	9.549960	9.579172
79	3549438	3796646	10696472	9.550159	9.579400
80	3551069	3798643	10697181	9.550359	9.579628
81	3552701	3800641	10697891	9.550558	9.579857
82	3554332	3802638	10698601	9.550758	9.580085
83	3555964	3804636	10699311	9.550957	9.580313
84	3557595	3806634	10700022	9.551156	9.580541
85	3559226	3808633	10700733	9.551355	9.580769
86	3560857	3810631	10701444	9.551554	9.580997
87	3562489	3812630	10702156	9.551753	9.581225
88	3564119	3814629	10702868	9.551952	9.581452
89	3565749	3816629	10703581	9.552151	9.581680
90	3567380	3818628	10704294	9.552349	9.581907
91	3569010	3820628	10705000	9.552548	9.582135
92	3570641	3822629	10705722	9.552746	9.582362
93	3572271	3824629	10706437	9.552944	9.582589
94	3573901	3826630	10707152	9.553142	9.582816
95	3575531	3828631	10707867	9.553340	9.583043
96	3577161	3830632	10708583	9.553538	9.583270
97	3578791	3832634	10709299	9.553736	9.583497
98	3580420	3834636	10710015	9.553934	9.583724
99	3582050	3836637	10710732	9.554131	9.583951
	3583679	3838640	10711449	9.554329	9.584177

M	Sinus	Tangens	Secant.	Lq. Sin	Lq. Tan.
50	9366712	26746215	23554509	9.971537	10.427252
49	9366110	26731991	23541186	9.971559	10.427031
48	9365499	26717780	23527877	9.971581	10.426800
47	9364887	26703582	23514581	9.971602	10.426569
46	9364274	26689398	23501298	9.971624	10.426339
45	9363662	26675227	23488028	9.971646	10.426108
44	9363049	26661069	23474771	9.971667	10.425877
43	9362436	26646924	23461528	9.971689	10.425647
42	9361823	26632793	23448298	9.971710	10.425417
41	9361209	26618674	23435081	9.971732	10.425186
40	9360595	26604569	23421877	9.971753	10.424956
39	9359981	26590476	23408686	9.971775	10.424726
38	9359366	26576397	23395508	9.971796	10.424496
37	9358752	26562331	23382344	9.971818	10.424266
36	9358137	26548278	23369192	9.971839	10.424036
35	9357521	26534238	23356054	9.971861	10.423806
34	9356906	26520211	23342938	9.971882	10.423577
33	9356290	26506197	23329846	9.971903	10.423347
32	9355673	26492195	23316771	9.971925	10.423118
31	9355057	26478207	23303720	9.971946	10.422888
30	9354440	26464232	23290696	9.971968	10.422659
29	9353823	26450270	23277699	9.971989	10.422430
28	9353206	26436320	23264728	9.972010	10.422201
27	9352588	26422383	23251781	9.972032	10.421972
26	9351970	26408460	23238859	9.972053	10.421743
25	9351352	26394549	23225962	9.972074	10.421514
24	9350733	26380656	23213086	9.972096	10.421285
23	9350114	26366765	23200231	9.972117	10.421057
22	9349496	26352893	23187397	9.972138	10.420828
21	9348877	26339033	23174584	9.972159	10.420600
20	9348257	26325186	23161792	9.972180	10.420371
19	9347637	26311351	23148997	9.972201	10.420143
18	9347016	26297530	23136227	9.972222	10.419915
17	9346396	26283721	23123477	9.972243	10.419687
16	9345775	26269924	23110746	9.972264	10.419459
15	9345154	26256141	23098035	9.972285	10.419231
14	9344533	26242369	23085346	9.972306	10.419003
13	9343911	26228611	23072676	9.972327	10.418775
12	9343289	26214865	23060026	9.972348	10.418547
11	9342667	26201132	23047395	9.972369	10.418320
10	9342045	26187411	23034777	9.972390	10.418092
9	9341422	26173702	23022181	9.972411	10.417865
8	9340799	26160007	23009607	9.972432	10.417638
7	9340175	26146324	23000037	9.972453	10.417410
6	9339552	26132653	22986489	9.972474	10.417183
5	9338928	26118995	22972963	9.972495	10.416956
4	9338304	26105340	22959450	9.972516	10.416729
3	9337679	26091697	22945958	9.972537	10.416502
2	9337054	26078066	22932488	9.972558	10.416276
1	9336429	26064447	22919039	9.972579	10.416049
0	9335804	26050840	22905611	9.972600	10.415822

M	Sims.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	3583670	3838640	10711450	9.554329	9.584177
1	3585309	3840543	10712168	9.554526	9.584404
2	3586933	3842646	10712886	9.554724	9.584630
3	3588567	3844649	10713605	9.554921	9.584857
4	3590196	3846651	10714324	9.555118	9.585083
5	3591825	3848656	10715043	9.555315	9.585309
6	3593454	3850660	10715763	9.555512	9.585535
7	3595082	3852664	10716484	9.555709	9.585761
8	3596711	3854669	10717204	9.555905	9.585987
9	3598340	3856674	10717926	9.556102	9.586213
10	3599968	3858679	10718647	9.556298	9.586438
11	3601596	3860684	10719369	9.556495	9.586664
12	3603224	3862690	10720092	9.556691	9.586890
13	3604852	3864695	10720815	9.556887	9.587115
14	3606480	3866702	10721538	9.557083	9.587340
15	3608108	3868708	10722262	9.557279	9.587566
16	3609735	3870715	10722986	9.557475	9.587791
17	3611363	3872722	10723711	9.557671	9.588016
18	3612991	3874729	10724436	9.557867	9.588241
19	3614618	3876736	10725161	9.558062	9.588466
20	3616246	3878744	10725887	9.558258	9.588691
21	3617873	3880752	10726613	9.558453	9.588916
22	3619500	3882761	10727340	9.558648	9.589140
23	3621127	3884769	10728067	9.558844	9.589365
24	3622753	3886778	10728795	9.559039	9.589590
25	3624380	3888787	10729523	9.559234	9.589814
26	3626007	3890797	10730251	9.559428	9.590039
27	3627633	3892806	10730980	9.559623	9.590263
28	3629260	3894816	10731708	9.559818	9.590487
29	3630886	3896826	10732439	9.560012	9.590711
30	3632512	3898837	10733169	9.560207	9.590935
31	3634138	3900848	10733900	9.560401	9.591159
32	3635764	3902859	10734631	9.560596	9.591383
33	3637390	3904870	10735362	9.560790	9.591606
34	3639016	3906882	10736094	9.560984	9.591830
35	3640641	3908893	10736827	9.561178	9.592054
36	3642267	3910906	10737559	9.561372	9.592277
37	3643892	3912918	10738292	9.561565	9.592501
38	3645517	3914931	10739026	9.561759	9.592724
39	3647143	3916944	10739760	9.561953	9.592947
40	3648768	3918957	10740494	9.562146	9.593170
41	3650393	3920970	10741229	9.562339	9.593393
42	3652017	3922984	10741965	9.562533	9.593616
43	3653642	3924998	10742700	9.562726	9.593839
44	3655267	3927013	10743436	9.562919	9.594062
45	3656891	3929027	10744173	9.563112	9.594285
46	3658516	3931042	10744910	9.563305	9.594508
47	3660140	3933057	10745647	9.563498	9.594730
48	3661764	3935073	10746385	9.563690	9.594953
49	3663388	3937088	10747124	9.563883	9.595175
50	3665012	3939105	10747862	9.564075	9.595397

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	9335804	26050890	27904281	9.970152	10.415822
99	9335178	26037307	27891599	9.970122	10.415506
98	9334552	26023735	27879311	9.970093	10.415189
97	9333926	26010176	27866275	9.970064	10.414871
96	9333300	25996629	27853630	9.970035	10.414554
95	9332673	25983035	27840999	9.970006	10.414236
94	9332046	25969572	27828379	9.969977	10.413918
93	9331419	25956062	27815772	9.969947	10.413600
92	9330791	25942565	27803177	9.969918	10.413282
91	9330163	25929079	27790594	9.969889	10.412964
90	9329535	25915606	27778024	9.969860	10.412646
89	9328907	25902144	27765466	9.969831	10.412328
88	9328278	25888695	27752920	9.969801	10.412010
87	9327649	25875254	27740386	9.969772	10.411692
86	9327020	25861834	27727864	9.969743	10.411374
85	9326390	25848421	27715354	9.969713	10.411056
84	9325760	25835020	27702857	9.969684	10.410738
83	9325130	25821632	27690372	9.969655	10.410420
82	9324499	25808256	27677898	9.969625	10.410102
81	9323869	25794891	27665437	9.969596	10.409784
80	9323238	25781539	27652988	9.969567	10.409466
79	9322607	25768199	27640551	9.969537	10.409148
78	9321975	25754870	27628126	9.969508	10.408830
77	9321343	25741554	27615713	9.969478	10.408512
76	9320711	25728250	27603312	9.969449	10.408194
75	9320078	25714957	27590923	9.969419	10.407876
74	9319446	25701677	27578546	9.969390	10.407558
73	9318813	25688408	27566180	9.969360	10.407240
72	9318179	25675151	27553827	9.969331	10.406922
71	9317546	25661906	27541486	9.969301	10.406604
70	9316912	25648673	27529156	9.969272	10.406286
69	9316278	25635452	27516839	9.969242	10.405968
68	9315644	25622243	27504533	9.969213	10.405650
67	9315009	25609046	27492239	9.969183	10.405332
66	9314374	25595860	27479957	9.969153	10.405014
65	9313739	25582686	27467687	9.969124	10.404696
64	9313103	25569524	27455428	9.969094	10.404378
63	9312467	25556373	27443182	9.969065	10.404060
62	9311831	25543235	27430947	9.969035	10.403742
61	9311195	25530108	27418723	9.969005	10.403424
60	9310558	25516992	27406512	9.968976	10.403106
59	9309921	25503889	27394312	9.968946	10.402788
58	9309284	25490797	27382124	9.968916	10.402470
57	9308646	25477716	27369948	9.968886	10.402152
56	9308008	25464648	27357783	9.968857	10.401834
55	9307370	25451591	27345630	9.968827	10.401516
54	9306732	25438545	27333488	9.968797	10.401198
53	9306093	25425511	27321358	9.968767	10.400880
52	9305454	25412489	27309240	9.968737	10.400562
51	9304815	25399479	27297133	9.968708	10.400244
50	9304175	25386479	27285038	9.968678	10.400000

M	Sin. 15.	Lang	Secant	Lo. Sin.	Lo. Tan.
50	3665012	3939105	10747852	9.564075	9.595397
51	3666636	3941121	10748601	9.564268	9.595620
52	3668260	3943137	10749341	9.564460	9.595842
53	3669883	3945154	10750081	9.564652	9.596064
54	3671507	3947171	10750821	9.564844	9.596286
55	3673130	3949188	10751562	9.565036	9.596508
56	3674753	3951205	10752303	9.565228	9.596730
57	3676377	3953222	10753045	9.565420	9.596951
58	3677999	3955243	10753787	9.565611	9.597173
59	3679623	3957261	10754530	9.565803	9.597395
60	3681245	3959280	10755273	9.565995	9.597616
61	3682868	3961299	10756016	9.566186	9.597837
62	3684491	3963318	10756760	9.566377	9.598059
63	3686113	3965338	10757504	9.566568	9.598280
64	3687735	3967358	10758249	9.566760	9.598501
65	3689358	3969378	10758994	9.566951	9.598722
66	3690980	3971398	10759740	9.567142	9.598943
67	3692602	3973419	10760485	9.567332	9.599164
68	3694224	3975440	10761232	9.567523	9.599385
69	3695846	3977462	10761977	9.567714	9.599606
70	3697467	3979483	10762727	9.567904	9.599827
71	3699089	3981505	10763474	9.568095	9.600047
72	3700710	3983527	10764222	9.568285	9.600268
73	3702332	3985550	10764971	9.568475	9.600488
74	3703953	3987572	10765720	9.568665	9.600708
75	3705574	3989595	10766470	9.568855	9.600929
76	3707195	3991617	10767220	9.569045	9.601149
77	3708816	3993642	10767977	9.569235	9.601369
78	3710437	3995666	10768721	9.569425	9.601589
79	3712058	3997691	10769472	9.569615	9.601809
80	3713679	3999714	10770223	9.569804	9.602029
81	3715299	4001739	10770975	9.570004	9.602249
82	3716919	4003764	10771728	9.570193	9.602468
83	3718539	4005788	10772481	9.570382	9.602688
84	3720159	4007815	10773234	9.570571	9.602907
85	3721779	4009841	10773988	9.570760	9.603127
86	3723399	4011867	10774742	9.570949	9.603346
87	3725019	4013893	10775497	9.571138	9.603566
88	3726639	4015920	10776252	9.571327	9.603785
89	3728259	4017947	10777008	9.571516	9.604004
90	3729879	4019974	10777764	9.571704	9.604223
91	3731499	4022002	10778520	9.571893	9.604442
92	3733119	4024029	10779277	9.572081	9.604661
93	3734739	4026057	10780034	9.572269	9.604880
94	3736359	4028085	10780792	9.572458	9.605099
95	3737979	4030114	10781550	9.572646	9.605317
96	3739599	4032143	10782309	9.572834	9.605536
97	3741219	4034173	10783068	9.573022	9.605754
98	3742839	4036202	10783827	9.573210	9.605973
99	3744459	4038232	10784587	9.573398	9.606191
100	3746079	4040262	10785347	9.573585	9.606409



M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	9304175	25386479	27285038	9.968678	10.404602
49	9303536	25373491	27272954	9.968648	10.404380
48	9302896	25360515	27260882	9.968618	10.404158
47	9302255	25347550	27248822	9.968588	10.403936
46	9301615	25334597	27236773	9.968558	10.403714
45	9300974	25321655	27224735	9.968528	10.403492
44	9300332	25308724	27212709	9.968498	10.403270
43	9299691	25295805	27200694	9.968468	10.403048
42	9299049	25282898	27188691	9.968438	10.402827
41	9298407	25270002	27176699	9.968408	10.402605
40	9297765	25257117	27164719	9.968378	10.402384
39	9297122	25244243	27152750	9.968348	10.402162
38	9296479	25231381	27140792	9.968318	10.401941
37	9295836	25218530	27128846	9.968288	10.401720
36	9295192	25205691	27116911	9.968258	10.401498
35	9294549	25192862	27104987	9.968228	10.401277
34	9293905	25180046	27093075	9.968198	10.401056
33	9293260	25167240	27081174	9.968168	10.400835
32	9292616	25154445	27069284	9.968138	10.400615
31	9291971	25141662	27057405	9.968108	10.400394
30	9291326	25128890	27045538	9.968077	10.400173
29	9290680	25116129	27033682	9.968047	10.399953
28	9290034	25103380	27021837	9.968017	10.399732
27	9289388	25090641	27010003	9.967987	10.399512
26	9288742	25077914	26998181	9.967957	10.399291
25	9288095	25065198	26986369	9.967926	10.399071
24	9287448	25052493	26974569	9.967896	10.398851
23	9286801	25039799	26962780	9.967866	10.398631
22	9286154	25027116	26951002	9.967836	10.398411
21	9285506	25014444	26939236	9.967805	10.398191
20	9284858	25001783	26927480	9.967775	10.397971
19	9284210	24989134	26915735	9.967745	10.397751
18	9283561	24976495	26904002	9.967714	10.397531
17	9282912	24963867	26892279	9.967684	10.397312
16	9282263	24951251	26880568	9.967654	10.397092
15	9281614	24938645	26868867	9.967623	10.396873
14	9280964	24926051	26857178	9.967593	10.396653
13	9280314	24913467	26845499	9.967562	10.396434
12	9279664	24900894	26833832	9.967532	10.396215
11	9279013	24888332	26822175	9.967502	10.395996
10	9278362	24875781	26810529	9.967471	10.395777
9	9277711	24863241	26798895	9.967441	10.395558
8	9277060	24850712	26787271	9.967410	10.395339
7	9276408	24838194	26775658	9.967380	10.395120
6	9275756	24825686	26764056	9.967349	10.394901
5	9275104	24813190	26752465	9.967319	10.394682
4	9274451	24800704	26740884	9.967288	10.394464
3	9273799	24788229	26729315	9.967257	10.394245
2	9273145	24775764	26717766	9.967227	10.394027
1	9272492	24763311	26706238	9.967196	10.393809
0	9271838	24750868	26694671	9.967166	10.393590

	M	Sinus.	Tang.	Secant.		Lo. Sin.	Lo. Tan.
0		3746066	4040261	10781347		9.57157	9.606409
1		3747684	4042392	10788108		9.573703	9.606628
2		3749302	4044323	107936869		9.575950	9.606846
3		3750920	4046154	107987631		9.578138	9.607064
4		3752538	4048385	10798393		9.574325	9.607282
5		3754156	4050417	10789155		9.574512	9.607500
6		3755773	4052449	10789918		9.574699	9.607717
7		3757391	4054481	10790682		9.574886	9.607935
8		3759008	4056513	10791445		9.575073	9.608153
9		3760625	4058546	10792210		9.575250	9.608370
10		3762242	4060579	10792974		9.575447	9.608588
11		3763859	4062612	10793740		9.575633	9.608805
12		3765476	4064646	10794505		9.575820	9.609022
13		3767093	4066679	10795271		9.576006	9.609240
14		3768710	4068713	10796038		9.576193	9.609457
15		3770326	4070746	10796804		9.576379	9.609674
16		3771943	4072783	10797572		9.576565	9.609891
17		3773559	4074818	10798339		9.576751	9.610108
18		3775176	4076853	10799108		9.576937	9.610325
19		3776792	4078888	10799876		9.577123	9.610542
20		3778408	4080924	10800645		9.577307	9.610758
21		3780024	4082960	10801415		9.577494	9.610975
22		3781639	4084997	10802185		9.577680	9.611192
23		3783255	4087034	10802955		9.577865	9.611408
24		3784871	4089071	10803726		9.578051	9.611624
25		3786486	4091108	10804497		9.578236	9.611841
26		3788101	4093145	10805269		9.578421	9.612057
27		3789716	4095182	10806041		9.578607	9.612273
28		3791332	4097221	10806814		9.578792	9.612489
29		3792947	4099260	10807587		9.578977	9.612705
30		3794561	4101299	10808360		9.579161	9.612921
31		3796176	4103338	10809134		9.579346	9.613137
32		3797791	4105377	10809908		9.579531	9.613353
33		3799405	4107417	10810683		9.579715	9.613569
34		3801020	4109457	10811458		9.579900	9.613784
35		3802634	4111497	10812234		9.580084	9.614000
36		3804249	4113537	10813010		9.580269	9.614215
37		3805862	4115578	10813787		9.580453	9.614431
38		3807476	4117619	10814564		9.580637	9.614646
39		3809090	4119661	10815341		9.580821	9.614861
40		3810704	4121702	10816119		9.581005	9.615076
41		3812317	4123744	10816897		9.581189	9.615292
42		3813931	4125787	10817676		9.581373	9.615507
43		3815544	4127829	10818455		9.581556	9.615722
44		3817157	4129872	10819233		9.581740	9.615936
45		3818770	4131915	10820015		9.581923	9.616151
46		3820383	4133959	10820795		9.582107	9.616366
47		3821996	4136002	10821576		9.582290	9.616581
48		3823609	4138045	10822358		9.582473	9.616795
49		3825222	4140091	10823140		9.582656	9.617010
50		3826834	4142135	10823922		9.582839	9.617224

M.	Sin.	Tang. n.	Secant.	Lo. Sin.	Lo. Tan.
100	9271838	24752868	26694621	9.967166	10.393390
99	9271184	24788436	26693145	9.967125	10.393372
98	9270530	24766015	26691630	9.967104	10.393354
97	9269876	24713605	26690115	9.967074	10.393336
96	9269221	24701205	26688631	9.967043	10.393318
95	9268566	24688816	26687147	9.967013	10.393300
94	9267910	24676437	26685675	9.966982	10.393282
93	9267255	24664070	26684211	9.966951	10.393265
92	9266600	24651712	26682762	9.966922	10.393247
91	9265943	24639366	26681321	9.966889	10.393229
90	9265286	24627030	26679891	9.966859	10.393212
89	9264629	24614705	26678472	9.966828	10.393194
88	9263972	24602390	26677063	9.966797	10.393177
87	9263315	24590086	26675665	9.966766	10.393160
86	9262657	24577792	26674277	9.966735	10.393143
85	9262000	24565509	26672900	9.966705	10.393126
84	9261341	24553237	26671534	9.966674	10.393109
83	9260683	24540975	26670178	9.966643	10.393092
82	9260024	24528723	26668833	9.966612	10.393075
81	9259365	24516482	26667498	9.966581	10.393058
80	9258706	24504252	26666174	9.966550	10.393041
79	9258046	24492032	26664860	9.966519	10.393024
78	9257386	24479822	26663557	9.966488	10.393007
77	9256727	24467623	26662264	9.966457	10.392990
76	9256066	24455434	26660981	9.966426	10.392973
75	9255405	24443256	26659700	9.966395	10.392956
74	9254744	24431083	26658443	9.966364	10.392939
73	9254083	24418930	26657197	9.966333	10.392922
72	9253421	24406783	26655956	9.966302	10.392905
71	9252759	24394646	26654725	9.966271	10.392888
70	9252097	24382519	26653505	9.966240	10.392871
69	9251435	24370403	26652286	9.966209	10.392854
68	9250772	24358297	26651066	9.966178	10.392837
67	9250109	24346201	26649850	9.966147	10.392820
66	9249446	24334116	26648638	9.966116	10.392803
65	9248782	24322041	26647430	9.966084	10.392786
64	9248118	24309976	26646226	9.966053	10.392769
63	9247454	24297921	26645025	9.966022	10.392752
62	9246790	24285877	26643826	9.965991	10.392735
61	9246125	24273842	26642630	9.965960	10.392718
60	9245460	24261818	26641437	9.965928	10.392701
59	9244795	24249805	26640246	9.965897	10.392684
58	9244129	24237801	26639058	9.965866	10.392667
57	9243464	24225807	26637871	9.965835	10.392650
56	9242798	24213824	26636685	9.965804	10.392633
55	9242131	24201851	26635500	9.965772	10.392616
54	9241465	24189887	26634316	9.965741	10.392599
53	9240798	24177934	26633133	9.965710	10.392582
52	9240130	24165991	26631951	9.965679	10.392565
51	9239463	24154058	26630770	9.965648	10.392548
50	9238795	24142125	26629590	9.965617	10.392531

M	Sinns.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	3826834	4142135	10815922	9.582830	9.617224
51	3832447	4144180	10814705	9.583022	9.617438
52	3838099	4146226	10813488	9.583205	9.617653
53	3843671	4148271	10812271	9.583388	9.617867
54	3849283	4150317	10811055	9.583571	9.618081
55	3854895	4152363	10810840	9.583753	9.618295
56	3860507	4154409	10809623	9.583935	9.618509
57	3866119	4156456	10808406	9.584118	9.618723
58	3871730	4158503	10807190	9.584301	9.618937
59	3877342	4160550	10805972	9.584483	9.619151
60	3882953	4162598	10804756	9.584665	9.619364
61	3888564	4164646	10803539	9.584847	9.619576
62	3894175	4166694	10802322	9.585029	9.619791
63	3899786	4168743	10801105	9.585211	9.620005
64	3905397	4170791	10800888	9.585393	9.620218
65	3911008	4172840	10800671	9.585574	9.620432
66	3916619	4174889	10800454	9.585756	9.620645
67	3922229	4176938	10800237	9.585937	9.620858
68	3927840	4178987	10800020	9.586119	9.621071
69	3933450	4181036	10800803	9.586300	9.621284
70	3939060	4183085	10800586	9.586481	9.621497
71	3944670	4185134	10800369	9.586663	9.621710
72	3950280	4187183	10800152	9.586844	9.621923
73	3955890	4189232	10800935	9.587025	9.622135
74	3961500	4191281	10800718	9.587205	9.622348
75	3967110	4193330	10800501	9.587386	9.622561
76	3972720	4195379	10800284	9.587567	9.622773
77	3978330	4197428	10800067	9.587748	9.622986
78	3983940	4199477	10800850	9.587928	9.623198
79	3989550	4201526	10800633	9.588109	9.623410
80	3995160	4203575	10800416	9.588289	9.623622
81	4000770	4205624	10800199	9.588469	9.623835
82	4006380	4207673	10800982	9.588649	9.624047
83	4011990	4209722	10800765	9.588830	9.624259
84	4017600	4211771	10800548	9.589010	9.624471
85	4023210	4213820	10800331	9.589189	9.624683
86	4028820	4215869	10800114	9.589369	9.624894
87	4034430	4217918	10800897	9.589549	9.625106
88	4040040	4220005	10800680	9.589729	9.625318
89	4045650	4222092	10800463	9.589908	9.625529
90	4051260	4224180	10800246	9.590088	9.625741
91	4056870	4226267	10800029	9.590267	9.625952
92	4062480	4228354	10800812	9.590446	9.626163
93	4068090	4230441	10800595	9.590626	9.626375
94	4073700	4232528	10800378	9.590805	9.626586
95	4079310	4234615	10800161	9.590984	9.626797
96	4084920	4236702	10800944	9.591163	9.627008
97	4090530	4238789	10800727	9.591342	9.627219
98	4096140	4240876	10800510	9.591520	9.627430
99	4101750	4242963	10800293	9.591699	9.627641
100	4107360	4245050	10800076	9.591878	9.627852

M	Sinus	Tangens	Secant.	La. Sin	La. Tan.
90	9238795	2414213	25131259	9.965615	10.382775
49	9238127	24130223	25130253	9.965554	10.382461
48	9237459	24118320	25109258	9.965492	10.382147
47	9236790	24106427	25098272	9.965431	10.381833
46	9236121	24094544	25087297	9.965369	10.381519
45	9235452	24082671	25076321	9.965308	10.381204
44	9234783	24070809	25065346	9.965246	10.380890
43	9234113	24058956	25054371	9.965185	10.380576
42	9233443	24047113	25043395	9.965123	10.380262
41	9232773	24035280	25032420	9.965062	10.379948
40	9232103	24023457	25021444	9.965000	10.379634
39	9231431	24011644	25010468	9.964938	10.379320
38	9230760	23999840	25009493	9.964877	10.379006
37	9230089	23988047	25008517	9.964815	10.378692
36	9229417	23976264	25007541	9.964754	10.378378
35	9228745	23964490	25006565	9.964692	10.378064
34	9228073	23952726	25005589	9.964631	10.377750
33	9227400	23940972	25004613	9.964569	10.377436
32	9226727	23929228	25003637	9.964508	10.377122
31	9226054	23917494	25002661	9.964446	10.376808
30	9225381	23905769	25001685	9.964385	10.376494
29	9224707	23894055	25000709	9.964323	10.376180
28	9224033	23882350	25000733	9.964262	10.375866
27	9223359	23870654	25000757	9.964200	10.375552
26	9222684	23858969	25000781	9.964139	10.375238
25	9222010	23847293	25000805	9.964077	10.374924
24	9221334	23835627	25000829	9.964016	10.374610
23	9220659	23823971	25000853	9.963954	10.374296
22	9220983	23812324	25000877	9.963893	10.373982
21	9220308	23800687	25000901	9.963831	10.373668
20	9219631	23789060	25000925	9.963770	10.373354
19	9217955	23777442	25000949	9.963708	10.373040
18	9217278	23765834	25000973	9.963647	10.372726
17	9216601	23754236	25001007	9.963585	10.372412
16	9215924	23742647	25001031	9.963524	10.372098
15	9215246	23731068	25001055	9.963462	10.371784
14	9214568	23719498	25001079	9.963401	10.371470
13	9213890	23707938	25001103	9.963339	10.371156
12	9213212	23696388	25001127	9.963278	10.370842
11	9212533	23684847	25001151	9.963216	10.370528
10	9211854	23673315	25001175	9.963155	10.370214
9	9211175	23661793	25001200	9.963093	10.369900
8	9210495	23650281	25001224	9.963032	10.369586
7	9209815	23638778	25001248	9.962970	10.369272
6	9209135	23627285	25001272	9.962909	10.368958
5	9208455	23615801	25001296	9.962847	10.368644
4	9207774	23604327	25001320	9.962786	10.368330
3	9207093	23592862	25001344	9.962724	10.368016
2	9206412	23581406	25001368	9.962663	10.367702
1	9205730	23569960	25001392	9.962601	10.367388
0	9205049	23558523	25001416	9.962540	10.367074

V.	Sinus	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	3907241	4244748	10871601	9.591773	9.617851
1	3908915	4246088	10864409	9.592056	9.618066
2	3910514	4247488	10857118	9.592335	9.618277
3	3912130	4248939	10849820	9.592613	9.618484
4	3913766	4250430	10842526	9.592891	9.618694
5	3915421	4251961	10835233	9.593170	9.618905
6	3917094	4253532	10827941	9.593448	9.619115
7	3918784	4255144	10820648	9.593725	9.619325
8	3920490	4256796	10813357	9.594004	9.619535
9	3922211	4258488	10806065	9.594281	9.619746
10	3923947	4260221	10798772	9.594559	9.619956
11	3925700	4261994	10791484	9.594837	9.620166
12	3927468	4263808	10784194	9.595114	9.620376
13	3929251	4265661	10776904	9.595392	9.620585
14	3931050	4267554	10769615	9.595669	9.620795
15	3932864	4269488	10762327	9.595947	9.621005
16	3934693	4271461	10755039	9.596224	9.621215
17	3936537	4273474	10747751	9.596501	9.621424
18	3938396	4275527	10740463	9.596778	9.621634
19	3940270	4277620	10733175	9.597055	9.621843
20	3942159	4279753	10725887	9.597332	9.622053
21	3944063	4281926	10718600	9.597609	9.622262
22	3945982	4284139	10711312	9.597886	9.622471
23	3947916	4286392	10704024	9.598163	9.622680
24	3949865	4288685	10696736	9.598440	9.622889
25	3951829	4291018	10689448	9.598717	9.623098
26	3953808	4293391	10682160	9.598994	9.623307
27	3955802	4295804	10674872	9.599271	9.623516
28	3957811	4298257	10667584	9.599548	9.623725
29	3959835	4300750	10660296	9.599825	9.623934
30	3961874	4303283	10653008	9.600102	9.624143
31	3963928	4305856	10645720	9.600379	9.624351
32	3966000	4308469	10638432	9.600656	9.624560
33	3968087	4311122	10631144	9.600933	9.624768
34	3970190	4313815	10623856	9.601210	9.624976
35	3972308	4316548	10616568	9.601487	9.625185
36	3974441	4319321	10609280	9.601764	9.625393
37	3976589	4322134	10601992	9.602041	9.625601
38	3978752	4324987	10594704	9.602318	9.625809
39	3980930	4327880	10587416	9.602595	9.626017
40	3983123	4330813	10580128	9.602872	9.626225
41	3985331	4333786	10572840	9.603149	9.626433
42	3987554	4336809	10565552	9.603426	9.626641
43	3989791	4339872	10558264	9.603703	9.626849
44	3992043	4342975	10550976	9.603980	9.627057
45	3994309	4346118	10543688	9.604257	9.627265
46	3996590	4349301	10536400	9.604534	9.627473
47	3998885	4352524	10529112	9.604811	9.627681
48	4001195	4355787	10521824	9.605088	9.627889
49	4003520	4359090	10514536	9.605365	9.628097
50	4005860	4362433	10507248	9.605642	9.628305



M	Stütz	Tangen	Secant	Lo. Sin.	Lo. Tan.
100	225048	23558123	25593046	9.944326	10.371148
99	2204366	23547006	25582128	9.903994	10.371937
98	2203284	23535678	25572019	9.934902	10.371727
97	2202001	23524870	25561519	9.955229	10.371516
96	22006118	23512871	25551029	9.965877	10.371305
95	2218635	23501481	25540548	9.953605	10.371095
94	2200953	23490100	25530077	9.963833	10.370884
93	2200026	23478729	25519615	9.953800	10.370674
92	2199184	23467367	25509162	9.953768	10.370464
91	2198399	23456005	25498715	9.953736	10.370254
90	2197611	23444672	25488284	9.953703	10.370044
89	2196830	23433338	25477859	9.953671	10.369834
88	2196045	23422013	25467444	9.953639	10.369624
87	2195261	23410688	25457038	9.953606	10.369414
86	2194474	23399391	25446641	9.953574	10.369204
85	2193687	23388095	25436253	9.953542	10.368994
84	2192901	23376807	25425875	9.953509	10.368784
83	2192115	23365528	25415505	9.953477	10.368574
82	2191328	23354259	25405145	9.953444	10.368364
81	2190541	23342999	25394795	9.953412	10.368154
80	2189753	23331710	25384453	9.953379	10.367944
79	2188966	23320506	25374121	9.953347	10.367734
78	2188179	23309273	25363798	9.953314	10.367524
77	2187389	23298050	25353454	9.953282	10.367314
76	2186601	23286835	25343179	9.953249	10.367104
75	2185812	23275630	25332863	9.953217	10.366894
74	2185022	23264434	25322536	9.953184	10.366684
73	2184233	23253247	25312219	9.953151	10.366474
72	2183444	23242069	25301905	9.953119	10.366264
71	2182654	23230800	25291591	9.953086	10.366054
70	2181864	23219540	25281281	9.953054	10.365844
69	2181073	23208289	25270970	9.953021	10.365634
68	2180283	23197047	25260668	9.952988	10.365424
67	2179491	23185815	25250365	9.952956	10.365214
66	2178700	23174591	25240063	9.952923	10.365004
65	2177908	23163376	25229760	9.952890	10.364794
64	2177116	23152170	25219457	9.952857	10.364584
63	2176324	23140973	25209154	9.952825	10.364374
62	2175532	23129785	25198851	9.952792	10.364164
61	2174739	23118597	25188547	9.952760	10.363954
60	2173946	23107408	25178243	9.952727	10.363744
59	2173153	23096219	25167939	9.952694	10.363534
58	2172360	23085029	25157635	9.952661	10.363324
57	2171567	23073839	25147331	9.952628	10.363114
56	2170774	23062649	25137027	9.952595	10.362904
55	2170000	23051459	25126723	9.952562	10.362694
54	2169208	23040269	25116419	9.952529	10.362484
53	2168415	23029079	25106115	9.952496	10.362274
52	2167622	23017889	25095811	9.952463	10.362064
51	2166829	23006699	25085507	9.952430	10.361854
50	2166036	22995509	25075203	9.952397	10.361644

M	Sinns.	Tang	Secant	Lo. Sin.	Lo. Tan.
50	3987490	4341124	10204411	9.600699	9.628302
51	3989091	4350199	10205239	9.600874	9.628509
52	3990691	4351275	10206067	9.601048	9.628716
53	3992292	4354351	10206895	9.601221	9.628923
54	3993892	4356427	10207723	9.601396	9.629130
55	3995493	4358504	10208554	9.601570	9.629337
56	3997093	4360581	10209384	9.601744	9.629544
57	3998693	4362658	10210215	9.601918	9.629751
58	4000291	4364736	10211046	9.602091	9.629958
59	4001891	4366814	10211877	9.602265	9.630165
60	4003490	4368892	10212707	9.602439	9.630371
61	4005089	4370971	10213541	9.602612	9.630578
62	4006689	4373050	10214374	9.602785	9.630784
63	4008288	4375129	10215207	9.602959	9.630991
64	4009887	4377207	10216041	9.603132	9.631197
65	4011485	4379286	10216875	9.603305	9.631403
66	4013084	4381365	10217710	9.603478	9.631610
67	4014683	4383444	10218545	9.603651	9.631816
68	4016281	4385523	10219381	9.603824	9.632022
69	4017879	4387601	10220217	9.603997	9.632228
70	4019478	4389680	10221053	9.604169	9.632434
71	4021076	4391759	10221890	9.604342	9.632640
72	4022674	4393837	10222727	9.604515	9.632846
73	4024271	4395916	10223565	9.604688	9.633052
74	4025869	4398012	10224404	9.604859	9.633257
75	4027467	4400105	10225242	9.605032	9.633463
76	4029064	4402189	10226081	9.605204	9.633668
77	4030661	4404272	10226921	9.605376	9.633874
78	4032259	4406356	10227762	9.605548	9.634079
79	4033856	4408441	10228602	9.605720	9.634285
80	4035453	4410525	10229443	9.605892	9.634490
81	4037050	4412610	10230285	9.606064	9.634695
82	4038646	4414696	10231127	9.606236	9.634901
83	4040243	4416781	10231969	9.606407	9.635106
84	4041839	4418867	10232812	9.606579	9.635311
85	4043436	4420954	10233656	9.606750	9.635516
86	4045032	4423042	10234500	9.606922	9.635721
87	4046628	4425127	10235344	9.607093	9.635926
88	4048224	4427214	10236189	9.607264	9.636130
89	4049820	4429302	10237034	9.607436	9.636335
90	4051416	4431390	10237880	9.607607	9.636540
91	4053011	4433478	10238726	9.607778	9.636744
92	4054607	4435567	10239573	9.607949	9.636949
93	4056202	4437655	10240420	9.608120	9.637153
94	4057797	4439743	10241267	9.608290	9.637358
95	4059392	4441834	10242115	9.608461	9.637562
96	4060987	4443921	10242964	9.608631	9.637766
97	4062582	4446014	10243813	9.608802	9.637971
98	4064177	4448105	10244662	9.608972	9.638175
99	4065772	4450196	10245512	9.609143	9.638379
—	4067366	4452287	10246366	9.609315	9.638583

M	Sinus.	Tangen.	Secant.	Lo. Sin	Lo. Tan.
50	9170601	22998425	25078428	9.962398	10.361698
49	9169904	22987453	25068366	9.962365	10.361491
48	9169208	22976489	25058313	9.962332	10.361283
47	9168511	22965534	25048269	9.962299	10.361076
46	9167815	22954588	25038233	9.962266	10.360869
45	9167117	22943651	25028206	9.962233	10.360662
44	9166420	22932722	25018185	9.962200	10.360455
43	9165722	22921803	25008179	9.962166	10.360249
42	9165024	22910891	24998179	9.962133	10.360042
41	9164326	22899989	24988187	9.962100	10.359835
40	9163627	22889095	24978204	9.962067	10.359628
39	9162928	22878210	24968230	9.962034	10.359422
38	9162229	22867334	24958265	9.962001	10.359215
37	9161530	22856467	24948308	9.961968	10.359009
36	9160830	22845608	24938360	9.961935	10.358803
35	9160130	22834757	24928420	9.961901	10.358596
34	9159430	22823916	24918490	9.961868	10.358390
33	9158729	22813083	24908568	9.961835	10.358184
32	9158028	22802256	24898654	9.961802	10.357978
31	9157327	22791443	24888750	9.961769	10.357772
30	9156626	22780636	24878854	9.961735	10.357566
29	9155924	22769837	24868966	9.961702	10.357360
28	9155222	22759047	24859087	9.961669	10.357154
27	9154520	22748266	24849217	9.961635	10.356948
26	9153817	22737493	24839356	9.961602	10.356742
25	9153115	22726729	24829502	9.961569	10.356537
24	9152412	22715973	24819658	9.961535	10.356331
23	9151708	22705226	24809822	9.961502	10.356126
22	9151005	22694487	24799995	9.961469	10.355920
21	9150301	22683757	24790176	9.961435	10.355715
20	9149596	22673035	24780365	9.961402	10.355509
19	9148892	22662322	24770564	9.961368	10.355304
18	9148187	22651617	24760770	9.961335	10.355099
17	9147482	22640921	24750986	9.961301	10.354894
16	9146777	22630233	24741209	9.961268	10.354689
15	9146071	22619553	24731441	9.961234	10.354484
14	9145366	22608882	24721682	9.961201	10.354279
13	9144659	22598220	24711931	9.961167	10.354074
12	9143953	22587566	24702199	9.961134	10.353869
11	9143246	22576920	24692454	9.961100	10.353664
10	9142539	22566282	24682722	9.961067	10.353460
9	9141832	22555653	24673012	9.961033	10.353255
8	9141125	22545033	24663303	9.961000	10.353051
7	9140417	22534420	24653602	9.960966	10.352846
6	9139709	22523817	24643910	9.960932	10.352642
5	9139000	22513221	24634227	9.960899	10.352437
4	9138292	22502634	24624551	9.960865	10.352233
3	9137583	22492055	24614880	9.960831	10.352029
2	9136874	22481484	24605216	9.960797	10.351825
1	9136164	22470922	24595557	9.960764	10.351621
0	9135454	22460368	24585903	9.960730	10.351417

	M.	Sin.	Tang.	Secant.	La. Sin.	La. Tan.
	0	4069366	4412287	10246363	9.527313	9.648583
1		4068961	4414178	10247213	9.527443	9.648787
2		4070735	4416470	10248065	9.527573	9.648991
3		4072149	4418162	10248917	9.527683	9.649195
4		4073743	4420054	10249769	9.527793	9.649398
5		4075337	4422747	10250621	9.527903	9.649602
6		4076931	4424840	10251473	9.528033	9.649806
7		4078524	4426934	10252325	9.528163	9.650001
8		4080118	4429027	10253182	9.528273	9.650213
9		4081711	4431122	10254037	9.528403	9.650416
10		4083304	4433216	10254893	9.528513	9.650620
11		4084898	4435311	10255747	9.528643	9.650821
12		4086491	4437406	10256603	9.528753	9.651026
13		4088083	4439501	10257459	9.528863	9.651229
14		4089676	4441597	10258317	9.528973	9.651433
15		4091269	4443693	10259174	9.529083	9.651638
16		4092861	4445789	10260032	9.529193	9.651839
17		4094454	4447886	10260890	9.529303	9.652042
18		4096046	4449983	10261749	9.529413	9.652245
19		4097638	4452080	10262608	9.529523	9.652447
20		4099230	4454178	10263468	9.529633	9.652650
21		4100822	4456276	10264328	9.529743	9.652853
22		4102414	4458374	10265189	9.529853	9.653055
23		4104005	4460473	10266050	9.529963	9.653258
24		4105597	4462572	10266912	9.530073	9.653460
25		4107188	4464671	10267774	9.530183	9.653663
26		4108780	4466771	10268636	9.530293	9.653865
27		4110371	4468871	10269499	9.530403	9.654068
28		4111962	4470971	10270363	9.530513	9.654270
29		4113553	4473072	10271227	9.530623	9.654472
30		4115143	4475173	10272091	9.530733	9.654674
31		4116734	4477274	10272956	9.530843	9.654876
32		4118325	4479376	10273821	9.530953	9.655078
33		4119915	4481478	10274687	9.531063	9.655280
34		4121505	4483580	10275554	9.531173	9.655482
35		4123095	4485683	10276420	9.531283	9.655684
36		4124685	4487786	10277288	9.531393	9.655886
37		4126275	4489889	10278155	9.531503	9.656087
38		4127865	4491993	10279023	9.531613	9.656289
39		4129455	4494097	10279892	9.531723	9.656491
40		4131044	4496202	10280761	9.531833	9.656692
41		4132633	4498306	10281631	9.531943	9.656894
42		4134223	4500411	10282501	9.532053	9.657095
43		4135812	4502516	10283371	9.532163	9.657296
44		4137401	4504622	10284242	9.532273	9.657498
45		4138990	4506727	10285114	9.532383	9.657699
46		4140578	4508834	10285986	9.532493	9.657900
47		4142167	4510940	10286858	9.532603	9.658101
48		4143756	4513047	10287731	9.532713	9.658302
49		4145344	4515155	10288604	9.532823	9.658503
50		4146932	4517262	10289478	9.532933	9.658704

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	913454	22460368	24585933	9.960730	10.341417
99	9134744	22449822	24576299	9.960666	10.341213
98	9134934	22439284	24566674	9.960602	10.341009
97	9135123	22428755	24557057	9.960539	10.340805
96	9135313	22418234	24547448	9.960475	10.340601
95	9135501	22407721	24537847	9.960411	10.340397
94	9135690	22397216	24528255	9.960347	10.340194
93	9135878	22386720	24518671	9.960283	10.340000
92	9136066	22376232	24509095	9.960219	10.339807
91	9136254	22365752	24499527	9.960155	10.339613
90	9136442	22355280	24489968	9.960092	10.339420
89	9136629	22344816	24480417	9.960028	10.339227
88	9136816	22334361	24470874	9.960014	10.339033
87	9136999	22323913	24461339	9.959950	10.338840
86	9137189	22313474	24451812	9.959886	10.338647
85	9137375	22303043	24442294	9.959822	10.338454
84	9137561	22292620	24432783	9.959758	10.338261
83	9137746	22282205	24423281	9.959694	10.338068
82	9137931	22271798	24413787	9.959630	10.337875
81	9138116	22261400	24404301	9.959566	10.337682
80	9138301	22251009	24394823	9.959502	10.337489
79	9138485	22240626	24385353	9.959438	10.337296
78	9138670	22230252	24375892	9.959374	10.337103
77	9138853	22219885	24366438	9.959310	10.336910
76	9139037	22209527	24356993	9.959246	10.336717
75	9139220	22209177	24347555	9.959181	10.336524
74	9139405	22198834	24338126	9.959117	10.336331
73	9139588	22188500	24328704	9.959053	10.336138
72	9139771	22178174	24319291	9.958989	10.335945
71	9139955	22167855	24309886	9.958925	10.335752
70	9140138	22157545	24300488	9.958861	10.335559
69	9140321	22147242	24291099	9.958797	10.335366
68	9140506	22136948	24281718	9.958733	10.335173
67	9140687	22126661	24272345	9.958669	10.334980
66	9140871	22116381	24262979	9.958605	10.334787
65	9141053	22106112	24253622	9.958541	10.334594
64	9141238	22095847	24244272	9.958477	10.334401
63	9141420	22085594	24234931	9.958413	10.334208
62	9141602	22075348	24225597	9.958349	10.334015
61	9141785	22065109	24216272	9.958285	10.333822
60	9141966	22054877	24206954	9.958221	10.333629
59	9142149	22044654	24197644	9.958157	10.333436
58	9142331	22034439	24188342	9.958093	10.333243
57	9142512	22024231	24179048	9.958029	10.333050
56	9142695	22014031	24169762	9.957965	10.332857
55	9142877	22003840	24160484	9.957901	10.332664
54	9143059	21993655	24151213	9.957837	10.332471
53	9143242	21983479	24141951	9.957773	10.332278
52	9143423	21973312	24132696	9.957709	10.332085
51	9143605	21963150	24123449	9.957645	10.331892
50	9143786	21952997	24114210	9.957581	10.331700

M	Sinus	Tang.	Secant	Log. Sin.	Log. Tan.
50	4146932	4157262	10989476	9.617037	9.618704
51	4148520	4159370	10990353	9.617093	9.618805
52	4150108	4161479	10991223	9.617150	9.618910
53	4151696	4163587	10992103	9.617207	9.619015
54	4153284	4165696	10992979	9.617264	9.619120
55	4154872	4167805	10993851	9.617321	9.619225
56	4156459	4169915	10994732	9.617378	9.619330
57	4158046	4172025	10995609	9.617435	9.619435
58	4159634	4174136	10996486	9.617492	9.619540
59	4161221	4176246	10997365	9.617549	9.619645
60	4162808	4178357	10998243	9.617606	9.619750
61	4164395	4180469	10999122	9.617663	9.619855
62	4165981	4182580	11000000	9.617720	9.619960
63	4167568	4184692	11000882	9.617777	9.620065
64	4169154	4186805	11001762	9.617834	9.620170
65	4170741	4188917	11002643	9.617891	9.620275
66	4172327	4191030	11003525	9.617948	9.620380
67	4173913	4193144	11004407	9.618005	9.620485
68	4175499	4195257	11005289	9.618062	9.620590
69	4177085	4197372	11006172	9.618119	9.620695
70	4178671	4199486	11007055	9.618176	9.620800
71	4180256	4201601	11007939	9.618233	9.620905
72	4181842	4203716	11008824	9.618290	9.621010
73	4183427	4205831	11009708	9.618347	9.621115
74	4185012	4207947	11010594	9.618404	9.621220
75	4186597	4210063	11011479	9.618461	9.621325
76	4188182	4212179	11012366	9.618518	9.621430
77	4189767	4214296	11013252	9.618575	9.621535
78	4191352	4216413	11014139	9.618632	9.621640
79	4192936	4218531	11015027	9.618689	9.621745
80	4194521	4220648	11015915	9.618746	9.621850
81	4196105	4222767	11016804	9.618803	9.621955
82	4197689	4224885	11017693	9.618860	9.622060
83	4199273	4227004	11018583	9.618917	9.622165
84	4200857	4229123	11019473	9.618974	9.622270
85	4202441	4231243	11020363	9.619031	9.622375
86	4204025	4233362	11021254	9.619088	9.622480
87	4205609	4235483	11022146	9.619145	9.622585
88	4207191	4237603	11023038	9.619202	9.622690
89	4208775	4239724	11023930	9.619259	9.622795
90	4210358	4241845	11024823	9.619316	9.622900
91	4211941	4243967	11025716	9.619373	9.623005
92	4213524	4246089	11026610	9.619430	9.623110
93	4215107	4248211	11027505	9.619487	9.623215
94	4216689	4250334	11028400	9.619544	9.623320
95	4218272	4252457	11029295	9.619601	9.623425
96	4219854	4254580	11030191	9.619658	9.623530
97	4221436	4256703	11031087	9.619715	9.623635
98	4223019	4258827	11031984	9.619772	9.623740
99	4224601	4260952	11032881	9.619829	9.623845
	4226182	4263076	11033779	9.619886	9.623950



M	Sinus	Tangens	Secant.	Lo. Sin	Lo. Tan.
30	9099613	21941997	24114310	9.999033	0.341296
49	9098889	21932183	24104979	9.998988	10.341095
48	9098164	21922715	24097755	9.998944	10.340894
47	9097440	21913585	24089539	9.998899	10.340693
46	9096715	21904463	24081332	9.998854	10.340493
45	9095990	21895349	24073131	9.998810	10.340292
44	9095265	21886243	24064939	9.998765	10.340092
43	9094539	21877144	24056754	9.998721	10.339891
42	9093813	21868053	24048577	9.998676	10.339691
41	9093087	21858970	24040408	9.998632	10.339490
40	9092361	21849894	24032247	9.998587	10.339290
39	9091634	21840826	24024093	9.998542	10.339090
38	9090907	21831766	24015947	9.998497	10.338890
37	9090180	21822713	23997809	9.998452	10.338690
36	9089452	21813669	23989678	9.998407	10.338490
35	9088725	21804631	23981555	9.998362	10.338290
34	9087997	21795592	23973440	9.998317	10.338090
33	9087268	21786550	23965332	9.998272	10.337890
32	9086539	21777515	23957232	9.998227	10.337690
31	9085811	21768488	23949140	9.998182	10.337490
30	9085082	21759469	23941055	9.998137	10.337290
29	9084352	21750457	23932978	9.998092	10.337091
28	9083622	21741453	23924908	9.998047	10.336891
27	9082892	21732456	23916846	9.998002	10.336692
26	9082162	21723468	23908792	9.997957	10.336493
25	9081432	21714487	23900745	9.997912	10.336293
24	9080701	21705513	23892706	9.997867	10.336094
23	9079970	21696547	23884675	9.997822	10.335894
22	9079238	21687588	23876651	9.997777	10.335695
21	9078507	21678636	23868634	9.997732	10.335496
20	9077775	21669693	23860625	9.997687	10.335297
19	9077042	21660757	23852624	9.997642	10.335098
18	9076310	21651828	23844630	9.997597	10.334899
17	9075577	21642906	23836644	9.997552	10.334700
16	9074844	21633992	23828665	9.997507	10.334501
15	9074111	21625085	23820693	9.997462	10.334302
14	9073377	21616185	23812729	9.997417	10.334104
13	9072643	21607292	23804773	9.997372	10.333905
12	9071909	21598406	23796824	9.997327	10.333706
11	9071175	21589527	23788882	9.997282	10.333508
10	9070440	21580655	23780948	9.997237	10.333309
9	9069705	21571790	23773022	9.997192	10.333111
8	9068970	21562932	23765103	9.997147	10.332912
7	9068234	21554081	23757191	9.997102	10.332714
6	9067498	21545237	23749287	9.997057	10.332516
5	9066762	21536400	23741390	9.997012	10.332317
4	9066026	21527569	23733500	9.996967	10.332119
3	9065289	21518744	23725618	9.996922	10.331921
2	9064552	21509925	23717744	9.996877	10.331723
1	9063815	21501112	23709876	9.996832	10.331525
0	9063078	21492305	23702016	9.996787	10.331327

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	4325182	4663076	11033779	9.625941	9.608672
1	4327704	4665201	11034677	9.626111	9.608870
2	4330227	4667327	11035576	9.626283	9.609068
3	4332750	4669452	11036475	9.626453	9.609266
4	4335273	4671579	11037375	9.626625	9.609463
5	4337796	4673705	11038275	9.626796	9.609661
6	4340319	4675832	11039176	9.626968	9.609859
7	4342842	4677959	11040077	9.627138	9.610056
8	4345365	4680086	11040978	9.627309	9.610254
9	4347888	4682214	11041881	9.627478	9.610451
10	4350411	4684342	11042783	9.627649	9.610648
11	4352934	4686471	11043686	9.627819	9.610846
12	4355457	4688599	11044590	9.627989	9.611043
13	4357980	4690727	11045494	9.628159	9.611240
14	4360503	4692855	11046398	9.628329	9.611437
15	4363026	4694983	11047303	9.628499	9.611634
16	4365549	4697111	11048207	9.628669	9.611831
17	4368072	4699239	11049111	9.628839	9.612028
18	4370595	4701368	11050021	9.628999	9.612225
19	4373118	4703496	11050928	9.629169	9.612422
20	4375641	4705624	11051836	9.629339	9.612619
21	4378164	4707752	11052744	9.629509	9.612815
22	4380687	4709880	11053652	9.629679	9.613012
23	4383210	4712008	11054561	9.629849	9.613209
24	4385733	4714136	11055470	9.629999	9.613405
25	4388256	4716264	11056380	9.630169	9.613602
26	4390779	4718392	11057289	9.630339	9.613798
27	4393302	4720520	11058198	9.630509	9.613995
28	4395825	4722648	11059107	9.630679	9.614191
29	4398348	4724776	11060016	9.630849	9.614387
30	4400871	4726904	11060925	9.631019	9.614583
31	4403394	4729032	11061834	9.631189	9.614780
32	4405917	4731160	11062743	9.631359	9.614976
33	4408440	4733288	11063652	9.631529	9.615172
34	4410963	4735416	11064561	9.631699	9.615368
35	4413486	4737544	11065470	9.631869	9.615564
36	4416009	4739672	11066380	9.632039	9.615760
37	4418532	4741800	11067289	9.632209	9.615956
38	4421055	4743928	11068198	9.632379	9.616151
39	4423578	4746056	11069107	9.632549	9.616347
40	4426101	4748184	11070016	9.632719	9.616542
41	4428624	4750312	11070925	9.632889	9.616738
42	4431147	4752440	11071834	9.633059	9.616934
43	4433670	4754568	11072743	9.633229	9.617129
44	4436193	4756696	11073652	9.633399	9.617325
45	4438716	4758824	11074561	9.633569	9.617520
46	4441239	4760952	11075470	9.633739	9.617715
47	4443762	4763080	11076380	9.633909	9.617911
48	4446285	4765208	11077289	9.634079	9.618106
49	4448808	4767336	11078198	9.634249	9.618301
50	4451331	4769464	11079107	9.634419	9.618496

Al.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	90097078	21445069	21662016	9.957276	10.331327
99	9002340	21435301	21653163	9.957240	10.331129
98	9017002	21425540	21644318	9.957205	10.330932
97	9060864	21415786	21635480	9.957169	10.330734
96	9060125	21406040	21626649	9.957134	10.330536
95	9059386	21396301	21617825	9.957099	10.330338
94	9058647	21386569	21609009	9.957063	10.330141
93	9057908	21376844	21600201	9.957028	10.329943
92	9057168	21367127	21591399	9.956992	10.329746
91	9056428	21357417	21582605	9.956957	10.329549
90	9055688	21347714	21573818	9.956921	10.329351
89	9054947	21338018	21565038	9.956886	10.329154
88	9054207	21328330	21556266	9.956850	10.328957
87	9053465	21318649	21547501	9.956815	10.328759
86	9052724	21308975	21538743	9.956779	10.328562
85	9051983	21299300	21529992	9.956744	10.328365
84	9051241	21289643	21521248	9.956708	10.328168
83	9050498	21279996	21512512	9.956672	10.327971
82	9049756	21270351	21503783	9.956637	10.327774
81	9049013	21260712	21495061	9.956601	10.327576
80	9048270	21251082	21486346	9.956566	10.327379
79	9047527	21241453	21477639	9.956530	10.327182
78	9046784	21231841	21468938	9.956494	10.326985
77	9046040	21222231	21460245	9.956458	10.326788
76	9045296	21212629	21451559	9.956423	10.326591
75	9044551	21203034	21442880	9.956387	10.326394
74	9043807	21193445	21434209	9.956351	10.326197
73	9043062	21183864	21425544	9.956315	10.326000
72	9042317	21174270	21416886	9.956280	10.325803
71	9041571	21164723	21408236	9.956244	10.325606
70	9040825	21155163	21399593	9.956208	10.325409
69	9040079	21145610	21390956	9.956172	10.325212
68	9039333	21136066	21382327	9.956136	10.325015
67	9038586	21126526	21373705	9.956100	10.324818
66	9037840	21116994	21365090	9.956064	10.324621
65	9037092	21107469	21356482	9.956028	10.324424
64	9036345	21097952	21347881	9.955993	10.324227
63	9035597	21088441	21339288	9.955957	10.324030
62	9034849	21078937	21330701	9.955921	10.323833
61	9034101	21069441	21322121	9.955885	10.323636
60	9033353	21059951	21313548	9.955849	10.323439
59	9032604	21050468	21304982	9.955813	10.323242
58	9031855	21040992	21296424	9.955777	10.323045
57	9031106	21031524	21287872	9.955741	10.322848
56	9030356	21022062	21279327	9.955705	10.322651
55	9029606	21012607	21270789	9.955669	10.322454
54	9028856	21003159	21262259	9.955633	10.322257
53	9028106	20993718	21253735	9.955597	10.322060
52	9027355	20984283	21245218	9.955561	10.321863
51	9026604	20974856	21236708	9.955524	10.321666
50	9025853	20965436	21228205	9.955488	10.321469

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
40	4305111	4769755	11073285	9.633984	9.678496
51	4306686	4771898	11080208	9.634143	9.678691
52	4308261	4774041	11087131	9.634302	9.678886
53	4309836	4776184	11083054	9.634461	9.679081
54	4311411	4778328	11082978	9.634619	9.679276
55	4312986	4780472	11083903	9.634778	9.679471
56	4314560	4782616	11084828	9.634936	9.679666
57	4316135	4784761	11085754	9.635095	9.679860
58	4317709	4786906	11086680	9.635253	9.680055
59	4319283	4789051	11087606	9.635412	9.680250
60	4320857	4791197	11088533	9.635570	9.680444
61	4322431	4793343	11089461	9.635728	9.680638
62	4324005	4795490	11090389	9.635886	9.680833
63	4325579	4797637	11091317	9.636044	9.681027
64	4327152	4799784	11092245	9.636202	9.681221
65	4328726	4801931	11093176	9.636360	9.681416
66	4330300	4804079	11094105	9.636518	9.681610
67	4331872	4806228	11095036	9.636675	9.681804
68	4333445	4808376	11095967	9.636833	9.681998
69	4335018	4810525	11096898	9.636991	9.682192
70	4336591	4812675	11097830	9.637148	9.682386
71	4338163	4814825	11098763	9.637306	9.682580
72	4339736	4816975	11099696	9.637463	9.682774
73	4341308	4819125	11100630	9.637620	9.682968
74	4342880	4821276	11101563	9.637777	9.683162
75	4344452	4823427	11102497	9.637935	9.683356
76	4346024	4825577	11103432	9.638092	9.683549
77	4347596	4827731	11104358	9.638249	9.683743
78	4349168	4829883	11105294	9.638406	9.683936
79	4350739	4832036	11106220	9.638563	9.684130
80	4352311	4834189	11107177	9.638720	9.684323
81	4353882	4836342	11108114	9.638876	9.684517
82	4355453	4838496	11109052	9.639033	9.684710
83	4357024	4840650	11109991	9.639190	9.684903
84	4358595	4842804	11110929	9.639346	9.685097
85	4360166	4844959	11111869	9.639503	9.685290
86	4361737	4847114	11112809	9.639659	9.685483
87	4363307	4849270	11113749	9.639816	9.685676
88	4364877	4851426	11114690	9.639972	9.685869
89	4366448	4853582	11115631	9.640128	9.686062
90	4368018	4855737	11116573	9.640284	9.686255
91	4369588	4857893	11117515	9.640440	9.686448
92	4371157	4860050	11118458	9.640596	9.686641
93	4372727	4862211	11119402	9.640752	9.686834
94	4374297	4864369	11120346	9.640908	9.687026
95	4375866	4866528	11121290	9.641064	9.687219
96	4377435	4868687	11122235	9.641220	9.687412
97	4379005	4870846	11123180	9.641375	9.687604
98	4380574	4873005	11124126	9.641531	9.687797
99	4382142	4875165	11125072	9.641686	9.687989
—	4383711	4877325	11126019	9.641842	9.688182

M	Time	Tangent	Secant	Lat. Sin.	Lat. Tan.
10	901513	20964436	23121809	9.951513	10.321304
49	9015101	20960032	231219709	9.9515101	10.321309
48	9014149	20946616	23121219	9.951416	10.321114
47	9013197	20937216	23120377	9.9513200	10.320919
46	9012245	20927823	23119522	9.9512245	10.320724
45	9011292	20918427	23118673	9.9511292	10.320529
44	9011339	20909028	23117732	9.9511339	10.320334
43	9010386	20899626	23116877	9.9510386	10.320140
42	9010433	20890220	23116020	9.9510433	10.319945
41	9010479	20880816	23115163	9.9510479	10.319750
40	9010525	20871410	23114314	9.9510525	10.319556
39	9011571	20862005	23113462	9.9510571	10.319361
38	9011616	20852597	23112606	9.9510616	10.319167
37	9011661	20843189	23111753	9.9510661	10.318972
36	9011706	20833781	23110898	9.9510706	10.318778
35	9011751	20824371	23110046	9.9510751	10.318584
34	9011795	20814962	23109193	9.9510795	10.318390
33	9011839	20805552	23108340	9.9510839	10.318195
32	9011883	20796140	23107487	9.9510883	10.318001
31	9011927	20786729	23106634	9.9510927	10.317807
30	9011970	20777316	23105781	9.9510970	10.317613
29	9012013	20767902	23104928	9.9511013	10.317419
28	9012056	20758489	23104075	9.9511056	10.317225
27	9012099	20749075	23103222	9.9511099	10.317032
26	9012142	20739661	23102369	9.9511142	10.316838
25	9012185	20730246	23101516	9.9511185	10.316644
24	9012228	20720832	23100663	9.9511228	10.316450
23	9012271	20711417	23100000	9.9511271	10.316257
22	9012314	20702002	23099147	9.9511314	10.316063
21	9012357	20692587	23098294	9.9511357	10.315870
20	9012400	20683172	23097441	9.9511400	10.315676
19	9012443	20673757	23096588	9.9511443	10.315483
18	9012486	20664342	23095735	9.9511486	10.315289
17	9012529	20654927	23094882	9.9511529	10.315096
16	9012572	20645512	23094029	9.9511572	10.314902
15	9012615	20636097	23093176	9.9511615	10.314709
14	9012658	20626682	23092323	9.9511658	10.314517
13	9012701	20617267	23091470	9.9511701	10.314322
12	9012744	20607852	23090617	9.9511744	10.314130
11	9012787	20598437	23089764	9.9511787	10.313937
10	9012830	20589022	23088911	9.9511830	10.313744
9	9012873	20579607	23088058	9.9511873	10.313552
8	9012916	20570192	23087205	9.9511916	10.313359
7	9012959	20560777	23086352	9.9511959	10.313166
6	9013002	20551362	23085499	9.9512002	10.312973
5	9013045	20541947	23084646	9.9512045	10.312780
4	9013088	20532532	23083793	9.9512088	10.312588
3	9013131	20523117	23082940	9.9512131	10.312395
2	9013174	20513702	23082087	9.9512174	10.312202
1	9013217	20504287	23081234	9.9512217	10.312010
0	9013260	20494872	23080381	9.9512260	10.311817

M	Sign	Long.	Secant	Lat. Sin.	Lat. Tan
0	4383741	4872238	11124019	9.641842	9.688182
1	4383880	4872486	11124007	9.641977	9.688374
2	4384048	4881647	11127014	9.642152	9.688566
3	438417	4883800	11128863	9.642308	9.688758
4	4384985	4885971	11129812	9.642463	9.688951
5	4391553	4888113	11130761	9.642618	9.689143
6	4393121	4890295	11131711	9.642773	9.689335
7	4394689	4892458	11132661	9.642928	9.689527
8	4396257	4894621	11133612	9.643083	9.689719
9	4397824	4896795	11134562	9.643238	9.689911
10	4399391	4898949	11135512	9.643392	9.690103
11	4400959	4901114	11136468	9.643547	9.690295
12	4402526	4903278	11137421	9.643702	9.690486
13	4404093	4905444	11138374	9.643856	9.690678
14	4405660	4907609	11139328	9.644011	9.690870
15	4407227	4909775	11140282	9.644165	9.691061
16	4408793	4911941	11141237	9.644320	9.691253
17	4410360	4914108	11142192	9.644474	9.691444
18	4411926	4916275	11143148	9.644628	9.691636
19	4413492	4918442	11144105	9.644782	9.691827
20	4415058	4920610	11145062	9.644936	9.692019
21	4416624	4922778	11146019	9.645090	9.692210
22	4418190	4924946	11146977	9.645244	9.692401
23	4419756	4927115	11147935	9.645398	9.692592
24	4421321	4929284	11148894	9.645552	9.692784
25	4422887	4931454	11149852	9.645706	9.692975
26	4424452	4933624	11150814	9.645860	9.693166
27	4426017	4935794	11151774	9.646013	9.693357
28	4427582	4937965	11152735	9.646166	9.693548
29	4429147	4940136	11153696	9.646320	9.693739
30	4430712	4942308	11154659	9.646473	9.693930
31	4432276	4944479	11155621	9.646627	9.694121
32	4433841	4946652	11156584	9.646780	9.694311
33	4435405	4948824	11157547	9.646933	9.694502
34	4436969	4950997	11158511	9.647086	9.694693
35	4438533	4953171	11159476	9.647239	9.694883
36	4440097	4955344	11160441	9.647392	9.695074
37	4441661	4957518	11161406	9.647545	9.695264
38	4443225	4959693	11162372	9.647698	9.695455
39	4444788	4961868	11163339	9.647851	9.695645
40	4446352	4964043	11164306	9.648004	9.695835
41	4447915	4966219	11165273	9.648156	9.696026
42	4449478	4968394	11166241	9.648309	9.696216
43	4451041	4970571	11167210	9.648461	9.696406
44	4452604	4972748	11168179	9.648614	9.696596
45	4454166	4974925	11169148	9.648766	9.696786
46	4455729	4977102	11170118	9.648919	9.696976
47	4457291	4979280	11171089	9.649071	9.697166
48	4458854	4981458	11172060	9.649223	9.697356
49	4460416	4983637	11173032	9.649375	9.697546
50	4461978	4985816	11174004	9.649527	9.697736



M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	8987940	20103038	12811720	9.953060	10.311818
99	8987175	20093219	12803560	9.953162	10.311626
98	8986410	20084887	12795407	9.953265	10.311433
97	8985644	20076821	12787260	9.953369	10.311241
96	8984878	20068761	12779120	9.953472	10.311049
95	8984111	20060708	12770986	9.953575	10.310857
94	8983345	20052661	12762859	9.953678	10.310665
93	8982578	20044621	12754738	9.953781	10.310473
92	8981811	20036588	12746624	9.953884	10.310281
91	8981043	20028560	12738516	9.953987	10.310089
90	8980276	20020532	12730413	9.954090	10.309897
89	8979508	20012515	12722320	9.954193	10.309705
88	8978739	20004517	12714231	9.954295	10.309513
87	8977971	20006515	12706150	9.954398	10.309322
86	8977202	20008510	12698074	9.954501	10.309130
85	8976433	20000512	12690005	9.954604	10.308938
84	8975664	20002513	12681943	9.954706	10.308747
83	8974894	20004513	12673886	9.954809	10.308555
82	8974124	20006503	12665837	9.954912	10.308364
81	8973354	20008490	12657793	9.955015	10.308172
80	8972583	20010483	12649750	9.955117	10.307981
79	8971813	20012473	12641726	9.955220	10.307790
78	8971042	20014468	12633701	9.955323	10.307598
77	8970271	20016458	12625683	9.955425	10.307407
76	8969500	20018451	12617672	9.955528	10.307216
75	8968727	20020442	12609667	9.955631	10.307024
74	8967955	20022432	12601668	9.955733	10.306834
73	8967183	20024422	12593676	9.955836	10.306643
72	8966410	20026415	12585689	9.955938	10.306452
71	8965637	20028406	12577709	9.956041	10.306261
70	8964864	20030393	12569736	9.956144	10.306070
69	8964091	20032375	12561760	9.956246	10.305879
68	8963317	20034359	12553780	9.956349	10.305688
67	8962545	20036341	12545804	9.956451	10.305498
66	8961769	20038320	12537826	9.956554	10.305307
65	8960994	20040308	12529854	9.956656	10.305116
64	8960219	20042292	12521888	9.956759	10.304926
63	8959444	20044273	12513920	9.956861	10.304735
62	8958669	20046253	12505957	9.956964	10.304545
61	8957893	20048230	12498000	9.957066	10.304355
60	8957117	20050215	12490048	9.957169	10.304164
59	8956341	20052200	12482100	9.957271	10.303974
58	8955565	20054182	12474156	9.957374	10.303784
57	8954788	20056163	12466214	9.957476	10.303594
56	8954011	20058142	12458278	9.957579	10.303403
55	8953234	20060120	12450348	9.957681	10.303213
54	8952456	20062102	12442415	9.957784	10.303023
53	8951679	20064082	12434488	9.957886	10.302833
52	8950900	20066060	12426567	9.957989	10.302643
51	8950122	20068036	12418643	9.958091	10.302453
50	8949343	20070019	12410716	9.958194	10.302264

Min.	Long.	Secant.	Lat.	Lat.
30	4461978	11174004	9.697736	9.697736
31	4461940	11174076	9.697799	9.697799
32	4461902	11174149	9.697861	9.697861
33	4461865	11174221	9.697923	9.697923
34	4461827	11174293	9.697985	9.697985
35	4461790	11174365	9.698047	9.698047
36	4461752	11174437	9.698109	9.698109
37	4461715	11174509	9.698171	9.698171
38	4461677	11174581	9.698233	9.698233
39	4461640	11174653	9.698295	9.698295
40	4461602	11174725	9.698357	9.698357
41	4461565	11174797	9.698419	9.698419
42	4461527	11174869	9.698481	9.698481
43	4461490	11174941	9.698543	9.698543
44	4461452	11175013	9.698605	9.698605
45	4461415	11175085	9.698667	9.698667
46	4461377	11175157	9.698729	9.698729
47	4461340	11175229	9.698791	9.698791
48	4461302	11175301	9.698853	9.698853
49	4461265	11175373	9.698915	9.698915
50	4461227	11175445	9.698977	9.698977
51	4461190	11175517	9.699039	9.699039
52	4461152	11175589	9.699101	9.699101
53	4461115	11175661	9.699163	9.699163
54	4461077	11175733	9.699225	9.699225
55	4461040	11175805	9.699287	9.699287
56	4460999	11175877	9.699349	9.699349
57	4460962	11175949	9.699411	9.699411
58	4460924	11176021	9.699473	9.699473
59	4460887	11176093	9.699535	9.699535
60	4460849	11176165	9.699597	9.699597
61	4460812	11176237	9.699659	9.699659
62	4460774	11176309	9.699721	9.699721
63	4460737	11176381	9.699783	9.699783
64	4460699	11176453	9.699845	9.699845
65	4460662	11176525	9.699907	9.699907
66	4460624	11176597	9.700000	9.700000
67	4460587	11176669	9.700062	9.700062
68	4460549	11176741	9.700124	9.700124
69	4460512	11176813	9.700186	9.700186
70	4460474	11176885	9.700248	9.700248
71	4460437	11176957	9.700310	9.700310
72	4460399	11177029	9.700372	9.700372
73	4460362	11177101	9.700434	9.700434
74	4460324	11177173	9.700496	9.700496
75	4460287	11177245	9.700558	9.700558
76	4460249	11177317	9.700620	9.700620
77	4460212	11177389	9.700682	9.700682
78	4460174	11177461	9.700744	9.700744
79	4460137	11177533	9.700806	9.700806
80	4460099	11177605	9.700868	9.700868
81	4460062	11177677	9.700930	9.700930
82	4460024	11177749	9.700992	9.700992
83	4459987	11177821	9.701054	9.701054
84	4459949	11177893	9.701116	9.701116
85	4459912	11177965	9.701178	9.701178
86	4459874	11178037	9.701240	9.701240
87	4459837	11178109	9.701302	9.701302
88	4459799	11178181	9.701364	9.701364
89	4459762	11178253	9.701426	9.701426
90	4459724	11178325	9.701488	9.701488
91	4459687	11178397	9.701550	9.701550
92	4459649	11178469	9.701612	9.701612
93	4459612	11178541	9.701674	9.701674
94	4459574	11178613	9.701736	9.701736
95	4459537	11178685	9.701798	9.701798
96	4459499	11178757	9.701860	9.701860
97	4459462	11178829	9.701922	9.701922
98	4459424	11178901	9.701984	9.701984
99	4459387	11178973	9.702046	9.702046
100	4459349	11179045	9.702108	9.702108

	Sima	Tungara	Socatic	La. Sin.	La. Tan.
40	8993343	20050897	22117184	9.951791	10.308364
41	8993465	20050834	22120773	9.951793	10.308074
42	8993778	20050875	22120506	9.951715	10.301884
43	8994006	20050885	22120876	9.951696	10.301694
44	8994216	20051180	22120852	9.951640	10.301505
45	8994446	20051141	22120834	9.951602	10.301315
46	8994666	20050809	22120843	9.951564	10.301126
47	8994885	19990881	22120812	9.951530	10.300936
48	8995105	19990861	22120818	9.951488	10.300747
49	8995323	19990847	22121122	9.951490	10.300557
50	8995542	19990838	22121428	9.951412	10.300368
51	8995761	19990836	22121638	9.951374	10.300179
52	8995979	19992140	22121682	9.951336	10.299989
53	8996196	19993440	22121014	9.951298	10.299800
54	8996414	19993465	22120351	9.951260	10.299611
55	8996631	19993087	22120405	9.951222	10.299422
56	8996848	19991745	22120844	9.951184	10.299233
57	8997065	19990740	22120700	9.951146	10.299044
58	8997282	19990089	22121362	9.951108	10.298855
59	8997499	19990143	22120349	9.951070	10.298666
60	8997714	19991707	22121902	9.951032	10.298477
61	8997929	19987445	22120812	9.950994	10.298288
62	8998144	19986509	22120466	9.950956	10.298099
63	8998360	19986070	22121260	9.950917	10.297911
64	8998575	19984834	22121058	9.950879	10.297722
65	8998790	19983630	22121732	9.950841	10.297534
66	8999004	19983104	22120973	9.950803	10.297345
67	8999218	19982216	22120190	9.950765	10.297156
68	8999431	19981818	22120430	9.950726	10.296968
69	8999645	19981223	22120637	9.950688	10.296780
70	8999858	19980635	22120971	9.950650	10.296591
71	8999071	19978893	22121311	9.950611	10.296403
72	8999284	19977947	22120657	9.950573	10.296215
73	8999496	19977095	22120600	9.950535	10.296026
74	8999708	19976241	22120366	9.950496	10.295838
75	8999920	19975382	22120730	9.950458	10.295650
76	8999132	19974522	22121099	9.950420	10.295462
77	8999343	19973662	22121475	9.950381	10.295274
78	8999554	19972811	22121795	9.950343	10.295086
79	8999765	19971960	22120143	9.950305	10.294898
80	8999975	19971077	22120236	9.950266	10.294710
81	8999185	19970253	22095036	9.950228	10.294522
82	8999395	19969403	22087441	9.950189	10.294334
83	8999605	19968552	22079852	9.950151	10.294147
84	8999814	19967701	22072258	9.950112	10.293959
85	8999023	19966851	22064691	9.950074	10.293771
86	8999232	19966002	22057120	9.950036	10.293584
87	8999441	19965153	22049554	9.950000	10.293396
88	8999649	19964302	22041996	9.950000	10.293209
89	8999857	19963456	22034444	9.950019	10.293021
90	8999065	19962605	22026892	9.950081	10.292834

M	Sinits.	Tang.	Secant.	Ln. Sin.	Ln. Tan.
0	4539305	1097254	11223161	9.657047	9.707166
1	4541400	10977453	11224261	9.657199	9.707313
2	4543515	1098253	11225319	9.657344	9.707440
3	4545669	1101851	11226359	9.657493	9.707728
4	4546124	1104051	11227259	9.657641	9.707915
5	4547679	1106351	11228219	9.657790	9.708102
6	4549223	1108452	11229210	9.657938	9.708289
7	4550787	1110643	11230261	9.658086	9.708476
8	4552341	1112814	11231263	9.658235	9.708663
9	4553895	1115046	11232266	9.658383	9.708850
10	4555449	1117258	11233259	9.658531	9.709037
11	4557003	1119461	11234272	9.658679	9.709222
12	4558556	1121664	11235277	9.658827	9.709411
13	4560109	1123867	11236281	9.658975	9.709598
14	4561663	1126071	11237286	9.659122	9.709784
15	4563216	1128275	11238291	9.659271	9.709971
16	4564769	1130480	11239298	9.659419	9.710158
17	4566321	1132685	11240305	9.659566	9.710344
18	4567874	1134890	11241312	9.659714	9.710531
19	4569427	1137096	11242320	9.659862	9.710717
20	4570979	1139302	11243326	9.660009	9.710904
21	4572531	1141508	11244337	9.660157	9.711090
22	4574082	1143715	11245346	9.660304	9.711277
23	4575633	1145922	11246356	9.660451	9.711463
24	4577187	1148130	11247366	9.660598	9.711649
25	4578739	1150338	11248377	9.660746	9.711836
26	4580291	1152547	11249388	9.660893	9.712022
27	4581842	1154756	11250400	9.661040	9.712208
28	4583393	1156965	11251413	9.661187	9.712394
29	4584944	1159175	11252426	9.661334	9.712580
30	4586495	1161385	11253439	9.661481	9.712766
31	4588046	1163595	11254453	9.661628	9.712952
32	4589597	1165806	11255466	9.661774	9.713138
33	4591148	1168017	11256483	9.661921	9.713324
34	4592698	1170229	11257498	9.662068	9.713510
35	4594248	1172442	11258514	9.662214	9.713695
36	4595798	1174654	11259531	9.662361	9.713881
37	4597348	1176866	11260548	9.662507	9.714067
38	4598898	1179080	11261566	9.662654	9.714252
39	4600448	1181295	11262584	9.662800	9.714438
40	4601998	1183507	11263603	9.662946	9.714624
41	4603547	1185722	11264622	9.663092	9.714809
42	4605096	1187937	11265642	9.663239	9.714994
43	4606646	1190152	11266662	9.663385	9.715180
44	4608195	1192368	11267683	9.663531	9.715365
45	4609744	1194584	11268704	9.663677	9.715551
46	4611293	1196800	11269726	9.663822	9.715736
47	4612841	1199017	11270749	9.663968	9.715921
48	4614389	1201235	11271771	9.664114	9.716106
49	4615938	1203452	11272795	9.664260	9.716291
50	4617486	1205670	11273819	9.664405	9.716477

M	Sinus	Tangen	Secant.	Lo. Sin.	Lo. Tan
100	8910064	19626105	22028892	9.943881	10.21244
99	8909273	19617640	22019319	9.943843	10.21207
98	8908486	19609180	22011814	9.943805	10.21171
97	8907687	19600727	22004283	9.943765	10.21137
96	8906893	19592279	21996759	9.943726	10.21103
95	8906100	19583837	21989240	9.943687	10.21069
94	8905306	19575401	21981727	9.943649	10.21035
93	8904512	19566970	21974220	9.943610	10.21001
92	8903717	19558545	21966718	9.943572	10.20967
91	8902923	19550126	21959222	9.943532	10.20933
90	8902128	19541713	21951732	9.943494	10.20899
89	8901333	19533306	21944248	9.943455	10.20865
88	8900537	19524904	21936770	9.943416	10.20831
87	8899741	19516508	21929297	9.943377	10.20797
86	8898945	19508118	21921830	9.943338	10.20763
85	8898149	19499733	21914369	9.943299	10.20729
84	8897353	19491354	21906914	9.943261	10.20695
83	8896556	19482981	21899464	9.943222	10.20661
82	8895759	19474613	21892021	9.943183	10.20627
81	8894961	19466252	21884582	9.943144	10.20593
80	8894164	19457895	21877150	9.943105	10.20559
79	8893366	19449545	21869723	9.943066	10.20525
78	8892567	19441200	21862302	9.943027	10.20491
77	8891769	19432861	21854887	9.942988	10.20457
76	8890970	19424527	21847477	9.942949	10.20423
75	8890171	19416200	21840073	9.942910	10.20389
74	8889372	19407877	21832675	9.942871	10.20355
73	8888572	19399561	21825283	9.942832	10.20321
72	8887773	19391250	21817896	9.942793	10.20287
71	8886972	19382945	21810514	9.942754	10.20253
70	8886172	19374645	21803139	9.942715	10.20219
69	8885371	19366351	21795765	9.942675	10.20185
68	8884571	19358062	21788405	9.942636	10.20151
67	8883769	19349779	21781049	9.942597	10.20117
66	8882968	19341501	21773693	9.942558	10.20083
65	8882166	19333230	21766340	9.942519	10.20049
64	8881364	19324964	21758994	9.942479	10.20015
63	8880562	19316704	21751668	9.942440	10.20000
62	8879760	19308446	21744357	9.942401	10.19966
61	8878957	19300190	21737052	9.942362	10.19932
60	8878154	19291935	21729763	9.942322	10.19898
59	8877350	19283717	21722379	9.942283	10.19864
58	8876547	19275474	21715071	9.942244	10.19830
57	8875743	19267257	21707768	9.942205	10.19796
56	8874939	19259035	21700471	9.942166	10.19762
55	8874134	19250815	21693180	9.942126	10.19728
54	8873330	19242609	21685894	9.942086	10.19694
53	8872525	19234403	21678613	9.942047	10.19660
52	8871719	19226204	21671339	9.942008	10.19626
51	8870914	19218010	21664069	9.941968	10.19592
50	8870108	19209821	21656806	9.941929	10.19558

M	Min.	Long	Secs.	Lo. Sin.	Lo. Tan.
50	4617466	5201670	11273810	9.664409	9.716476
51	4619034	5207820	11274644	9.664551	9.716662
52	4620582	5210100	11275469	9.664695	9.716847
53	4622130	5212327	11276285	9.664842	9.717031
54	4623677	5214547	11277091	9.664987	9.717216
55	4625225	5216767	11277897	9.665133	9.717401
56	4626772	5218987	11278705	9.665278	9.717586
57	4628319	5221208	11279503	9.665423	9.717771
58	4629866	5223430	11280301	9.665568	9.717956
59	4631413	5225651	11281099	9.665713	9.718140
60	4632960	5227873	11281897	9.665858	9.718325
61	4634507	5230096	11282695	9.666003	9.718509
62	4636053	5232319	11283493	9.666148	9.718694
63	4637600	5234542	11284291	9.666293	9.718879
64	4639146	5236766	11285089	9.666438	9.719063
65	4640692	5238990	11285887	9.666583	9.719247
66	4642238	5241215	11286685	9.666727	9.719432
67	4643784	5243440	11287483	9.666872	9.719616
68	4645330	5245665	11288281	9.667016	9.719800
69	4646875	5247891	11289079	9.667161	9.719985
70	4648420	5250117	11289877	9.667305	9.720169
71	4650065	5252344	11290675	9.667450	9.720353
72	4651611	5254571	11291473	9.667594	9.720537
73	4653156	5256798	11292271	9.667738	9.720721
74	4654700	5259026	11293069	9.667882	9.720905
75	4656245	5261254	11293867	9.668026	9.721089
76	4657790	5263483	11294665	9.668170	9.721273
77	4659334	5265712	11295463	9.668314	9.721457
78	4660878	5267942	11296261	9.668458	9.721641
79	4662422	5270171	11297059	9.668602	9.721825
80	4663966	5272402	11297857	9.668746	9.722008
81	4665510	5274632	11298655	9.668890	9.722192
82	4667054	5276864	11299453	9.669033	9.722376
83	4668597	5279095	11300251	9.669177	9.722559
84	4670141	5281327	11301049	9.669320	9.722743
85	4671684	5283559	11301847	9.669464	9.722926
86	4673227	5285792	11302645	9.669607	9.723110
87	4674770	5288025	11303443	9.669751	9.723293
88	4676313	5290259	11304241	9.669894	9.723477
89	4677855	5292493	11305039	9.670037	9.723660
90	4679398	5294727	11305837	9.670181	9.723843
91	4680840	5296962	11306635	9.670324	9.724027
92	4682383	5299197	11307433	9.670467	9.724210
93	4683925	5301433	11308231	9.670610	9.724393
94	4685467	5303669	11309029	9.670753	9.724576
95	4687008	5305905	11309827	9.670896	9.724759
96	4688550	5308142	11310625	9.671038	9.724942
97	4690092	5310380	11311423	9.671181	9.725125
98	4691633	5312617	11312221	9.671324	9.725308
99	4693174	5314856	11313019	9.671467	9.725491
	4694715	5317094	11313817	9.671609	9.725674



M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	8870108	19209821	21656806	9.947929	10.283523
49	8869302	19201638	21649547	9.947889	10.283338
48	8868496	19193460	21642295	9.947840	10.283153
47	8867689	19185288	21635047	9.947810	10.282968
46	8866882	19177121	21627806	9.947771	10.282783
45	8866075	19168960	21620570	9.947731	10.282598
44	8865268	19160804	21613339	9.947692	10.282414
43	8864460	19152654	21606114	9.947652	10.282229
42	8863652	19144509	21598894	9.947613	10.282044
41	8862844	19136370	21591680	9.947573	10.281859
40	8862036	19128236	21584471	9.947533	10.281675
39	8861227	19120107	21577268	9.947494	10.281490
38	8860418	19111984	21570070	9.947454	10.281306
37	8859609	19103866	21562878	9.947414	10.281121
36	8858799	19095754	21555691	9.947375	10.280937
35	8857989	19087647	21548509	9.947335	10.280752
34	8857179	19079545	21541331	9.947295	10.280568
33	8856369	19071440	21534143	9.947256	10.280383
32	8855558	19063338	21526977	9.947216	10.280199
31	8854747	19055237	21519838	9.947176	10.280015
30	8853936	19047193	21512684	9.947136	10.279831
29	8853125	19039118	21505535	9.947096	10.279647
28	8852313	19031049	21498391	9.947057	10.279463
27	8851501	19022985	21491253	9.947017	10.279278
26	8850689	19014927	21484121	9.946977	10.279094
25	8849876	19006873	21476993	9.946937	10.278910
24	8849063	18998826	21469871	9.946897	10.278727
23	8848250	18990783	21462755	9.946857	10.278543
22	8847437	18982746	21455644	9.946817	10.278359
21	8846623	18974711	21448538	9.946777	10.278175
20	8845810	18966687	21441437	9.946737	10.277991
19	8844995	18958666	21434342	9.946697	10.277808
18	8844181	18950650	21427252	9.946657	10.277624
17	8843366	18942640	21420168	9.946617	10.277440
16	8842551	18934634	21413089	9.946577	10.277257
15	8841736	18926634	21406015	9.946537	10.277073
14	8840921	18918640	21398947	9.946497	10.276890
13	8840105	18910650	21391884	9.946457	10.276706
12	8839289	18902666	21384826	9.946417	10.276523
11	8838473	18894687	21377773	9.946377	10.276340
10	8837656	18886713	21370726	9.946337	10.276156
9	8836839	18878745	21363684	9.946297	10.275973
8	8836022	18870782	21356648	9.946257	10.275790
7	8835205	18862824	21349616	9.946216	10.275607
6	8834387	18854871	21342590	9.946176	10.275423
5	8833569	18846924	21335569	9.946136	10.275240
4	8832751	18838981	21328554	9.946096	10.275057
3	8831933	18831044	21321544	9.946056	10.274874
2	8831114	18823112	21314539	9.946016	10.274691
1	8830295	18815186	21307539	9.945975	10.274508
0	8829476	18807264	21300544	9.945935	10.274325

	M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0		4594715	5317094	11323700	9.721609	9.724674
1		4596256	5319333	11326752	9.671752	9.724857
2		4597797	5321572	11329803	9.671894	9.725040
3		4599338	5323811	11332856	9.672036	9.725223
4		4600878	5326052	11335909	9.672179	9.725405
5		4602419	5328293	11338962	9.672321	9.725588
6		4603959	5330534	11342016	9.672463	9.725771
7		4605499	5332776	11345071	9.672606	9.725953
8		4607039	5335018	11348126	9.672748	9.726136
9		4608579	5337260	11351182	9.672890	9.726318
10		4610119	5339503	11354238	9.673032	9.726501
11		4611658	5341746	11357294	9.673174	9.726683
12		4613198	5343989	11360352	9.673315	9.726865
13		4614737	5346233	11363409	9.673457	9.727048
14		4616276	5348478	11366468	9.673599	9.727230
15		4617815	5350722	11369527	9.673741	9.727412
16		4619354	5352968	11372586	9.673882	9.727594
17		4620892	5355213	11375646	9.674024	9.727777
18		4622431	5357459	11378707	9.674165	9.727959
19		4623969	5359706	11381768	9.674307	9.728141
20		4625507	5361953	11384829	9.674448	9.728323
21		4627046	5364200	11387891	9.674590	9.728505
22		4628585	5366448	11390954	9.674731	9.728687
23		4630121	5368696	11394017	9.674872	9.728869
24		4631659	5370945	11397081	9.675013	9.729051
25		4633196	5373194	11400145	9.675154	9.729232
26		4634734	5375443	11403210	9.675295	9.729414
27		4636271	5377693	11406276	9.675436	9.729595
28		4637808	5379943	11409342	9.675577	9.729777
29		4639345	5382194	11412408	9.675718	9.729958
30		4640882	5384445	11415475	9.675859	9.730140
31		4642419	5386697	11418543	9.676000	9.730322
32		4643955	5388949	11421611	9.676140	9.730503
33		4645491	5391201	11424680	9.676281	9.730685
34		4647028	5393454	11427749	9.676422	9.730867
35		4648564	5395707	11430819	9.676562	9.731048
36		4650100	5397961	11433889	9.676703	9.731230
37		4651635	5400215	11436960	9.676844	9.731411
38		4653171	5402469	11440032	9.676985	9.731592
39		4654707	5404724	11443103	9.677124	9.731773
40		4656242	5406980	11446176	9.677264	9.731955
41		4657777	5409236	11449249	9.677404	9.732136
42		4659312	5411492	11452322	9.677544	9.732317
43		4660847	5413748	11455397	9.677684	9.732498
44		4662382	5416005	11458472	9.677824	9.732679
45		4663916	5418263	11461547	9.677964	9.732860
46		4665451	5420521	11464623	9.678104	9.733041
47		4666985	5422779	11467699	9.678244	9.733222
48		4668519	5425038	11470776	9.678383	9.733403
49		4670054	5427297	11473854	9.678523	9.733583
50		4671587	5429557	11476932	9.678663	9.733764

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	8829476	18807164	21300544	9.945935	10.274325
99	8828656	18799348	21293555	9.945894	10.274143
98	8827836	18791437	21286571	9.945854	10.273961
97	8827016	18783531	21279592	9.945814	10.273777
96	8826196	18775631	21272619	9.945773	10.273594
95	8825375	18767735	21265650	9.945733	10.273412
94	8824555	18759845	21258687	9.945693	10.273229
93	8823733	18751960	21251729	9.945652	10.273046
92	8822912	18744080	21244777	9.945612	10.272864
91	8822090	18736205	21237829	9.945571	10.272681
90	8821268	18728336	21230887	9.945531	10.272499
89	8820446	18720471	21223950	9.945490	10.272317
88	8819624	18712612	21217018	9.945450	10.272134
87	8818801	18704757	21210091	9.945409	10.271952
86	8817978	18696908	21203169	9.945369	10.271770
85	8817155	18689064	21196253	9.945328	10.271587
84	8816331	18681225	21189341	9.945288	10.271405
83	8815507	18673392	21182435	9.945247	10.271223
82	8814683	18665563	21175534	9.945207	10.271041
81	8813859	18657739	21168638	9.945166	10.270859
80	8813034	18649921	21161747	9.945125	10.270677
79	8812209	18642108	21154862	9.945085	10.270495
78	8811384	18634299	21147981	9.945044	10.270313
77	8810559	18626496	21141106	9.945003	10.270131
76	8809733	18618698	21134236	9.944963	10.269949
75	8808907	18610905	21127370	9.944922	10.269767
74	8808081	18603117	21120510	9.944881	10.269586
73	8807254	18595334	21113655	9.944840	10.269404
72	8806428	18587556	21106805	9.944800	10.269222
71	8805601	18579783	21099961	9.944759	10.269040
70	8804773	18572015	21093121	9.944718	10.268859
69	8803946	18564252	21086286	9.944677	10.268677
68	8803118	18556495	21079457	9.944636	10.268496
67	8802290	18548742	21072632	9.944595	10.268314
66	8801461	18540994	21065813	9.944555	10.268133
65	8800633	18533251	21058998	9.944514	10.267951
64	8799804	18525514	21052189	9.944473	10.267770
63	8798975	18517781	21045385	9.944432	10.267589
62	8798145	18510053	21038585	9.944391	10.267407
61	8797316	18502331	21031791	9.944350	10.267226
60	8796486	18494613	21025002	9.944309	10.267045
59	8795655	18486900	21018218	9.944268	10.266864
58	8794825	18479192	21011439	9.944227	10.266683
57	8793994	18471490	21004664	9.944186	10.266502
56	8793163	18463792	20997895	9.944145	10.266321
55	8792332	18456099	20991121	9.944104	10.266140
54	8791500	18448411	20984372	9.944063	10.265959
53	8790668	18440728	20977618	9.944022	10.265778
52	8789836	18433050	20970869	9.943981	10.265597
51	8789004	18425377	20964124	9.943939	10.265416
50	8788171	18417709	20957385	9.943898	10.265235

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	4771587	5429557	11378932	9.678663	9.734764
51	4773121	5431817	11380010	9.678802	9.734945
52	4774655	5434077	11381089	9.678942	9.735126
53	4776188	5436338	11382169	9.679081	9.735306
54	4777722	5438600	11383249	9.679221	9.735487
55	4779255	5440861	11384330	9.679360	9.735667
56	4780788	5443124	11385411	9.679499	9.735848
57	4782321	5445386	11386492	9.679639	9.736029
58	4783853	5447649	11387576	9.679778	9.736209
59	4785386	5449913	11388659	9.679917	9.736389
60	4786918	5452177	11389742	9.680056	9.736570
61	4788451	5454441	11390826	9.680195	9.736750
62	4789983	5456706	11391911	9.680334	9.736930
63	4791515	5458971	11392996	9.680473	9.737111
64	4793047	5461237	11394082	9.680611	9.737291
65	4794578	5463503	11395168	9.680750	9.737471
66	4796110	5465769	11396255	9.680889	9.737651
67	4797641	5468036	11397343	9.681028	9.737831
68	4799173	5470304	11398431	9.681166	9.738011
69	4800704	5472572	11399519	9.681305	9.738191
70	4802235	5474840	11400608	9.681443	9.738371
71	4803766	5477109	11401698	9.681582	9.738551
72	4805296	5479378	11402788	9.681720	9.738731
73	4806827	5481647	11403879	9.681858	9.738911
74	4808357	5483917	11404970	9.681997	9.739091
75	4809887	5486188	11406062	9.682135	9.739270
76	4811418	5488459	11407155	9.682273	9.739450
77	4812948	5490730	11408248	9.682411	9.739630
78	4814477	5493002	11409341	9.682549	9.739810
79	4816007	5495274	11410435	9.682687	9.739989
80	4817537	5497546	11411530	9.682825	9.740169
81	4819066	5499819	11412625	9.682963	9.740348
82	4820595	5502093	11413721	9.683102	9.740528
83	4822124	5504367	11414817	9.683240	9.740707
84	4823653	5506641	11415914	9.683378	9.740887
85	4825182	5508916	11417012	9.683514	9.741066
86	4826711	5511191	11418110	9.683651	9.741245
87	4828239	5513467	11419208	9.683789	9.741425
88	4829767	5515743	11420307	9.683926	9.741604
89	4831296	5518019	11421407	9.684063	9.741783
90	4832824	5520296	11422507	9.684201	9.741962
91	4834352	5522574	11423608	9.684338	9.742141
92	4835879	5524852	11424709	9.684475	9.742320
93	4837407	5527130	11425811	9.684612	9.742499
94	4838934	5529409	11426914	9.684750	9.742679
95	4840462	5531688	11428017	9.684887	9.742857
96	4841989	5533967	11429120	9.685024	9.743036
97	4843516	5536248	11430225	9.685161	9.743215
98	4845043	5538528	11431329	9.685297	9.743394
99	4846569	5540809	11432434	9.685434	9.743573
—	4848096	5543090	11433540	9.685571	9.743752

M	Sinus	Tangens	Secant.	Lo. Sin.	Lo. Tan.
50	8788171	18417709	20957385	9.943598	10.255235
49	8787338	18410045	20950651	9.943857	10.255055
48	8786505	18402387	20943922	9.943816	10.254874
47	8785671	18394734	20937197	9.943775	10.254693
46	8784838	18387085	20930478	9.943734	10.254513
45	8784004	18379442	20923763	9.943692	10.254332
44	8783169	18371803	20917045	9.943651	10.254152
43	8782335	18364169	20910349	9.943610	10.253972
42	8781500	18356540	20903650	9.943569	10.253791
41	8780665	18348916	20896955	9.943527	10.253610
40	8779830	18341297	20890265	9.943486	10.253430
39	8778994	18333683	20883580	9.943445	10.253250
38	8778158	18326074	20876901	9.943403	10.253069
37	8777322	18318469	20870225	9.943362	10.252889
36	8776486	18310870	20863555	9.943320	10.252709
35	8775649	18303275	20856890	9.943277	10.252529
34	8774812	18295685	20850230	9.943237	10.252348
33	8773975	18288100	20843574	9.943196	10.252168
32	8773137	18280520	20836924	9.943155	10.251988
31	8772299	18272944	20830278	9.943113	10.251808
30	8771461	18265373	20823637	9.943072	10.251628
29	8770623	18257808	20817001	9.943030	10.251448
28	8769785	18250247	20810370	9.942989	10.251269
27	8768946	18242691	20803744	9.942947	10.251089
26	8768107	18235139	20797123	9.942906	10.250909
25	8767267	18227593	20790506	9.942864	10.250729
24	8766428	18220051	20783894	9.942822	10.250549
23	8765588	18212514	20777287	9.942781	10.250370
22	8764748	18204982	20770685	9.942739	10.250190
21	8763907	18197455	20764088	9.942698	10.250010
20	8763067	18189932	20757496	9.942656	10.249831
19	8762226	18182414	20750908	9.942614	10.249651
18	8761384	18174901	20744326	9.942573	10.249472
17	8760543	18167393	20737748	9.942531	10.249292
16	8759701	18159890	20731174	9.942489	10.249113
15	8758859	18152391	20724606	9.942447	10.248934
14	8758017	18144897	20718043	9.942406	10.248754
13	8757174	18137408	20711484	9.942364	10.248575
12	8756332	18129923	20704930	9.942322	10.248396
11	8755488	18122444	20698381	9.942280	10.248217
10	8754645	18114969	20691836	9.942238	10.248037
9	8753801	18107498	20685297	9.942197	10.247858
8	8752958	18100033	20678762	9.942155	10.247679
7	8752113	18092572	20672231	9.942113	10.247500
6	8751269	18085116	20665706	9.942071	10.247321
5	8750424	18077664	20659181	9.942029	10.247142
4	8749579	18070217	20652669	9.941987	10.246963
3	8748734	18062775	20646158	9.941945	10.246784
2	8747889	18055338	20639652	9.941903	10.246605
1	8747043	18047905	20633150	9.941861	10.246427
0	8746197	18040477	20626653	9.941819	10.246248

	M	Sinus	Tang.	Secant.		Lo. Sin.	Lo. Tan.
0		4848295	5543090	11433540		9.685571	9.743752
1		4849322	5545372	11434647		9.685708	9.743931
2		4851149	5547054	11435754		9.685844	9.744109
3		4852975	5548937	11436861		9.685981	9.744288
4		4854201	5552220	11437970		9.686118	9.744467
5		4855727	5554501	11439078		9.686254	9.744645
6		4857252	5556788	11440187		9.686390	9.744824
7		4858778	5559072	11441297		9.686527	9.745002
8		4860303	5561357	11442400		9.686663	9.745181
9		4861829	5563643	11443519		9.686799	9.745359
10		4863354	5565923	11444630		9.686936	9.745537
11		4864879	5568215	11445742		9.687072	9.745716
12		4866403	5570501	11446855		9.687208	9.745894
13		4867928	5572788	11447968		9.687344	9.746072
14		4869452	5575076	11449082		9.687480	9.746251
15		4870977	5577364	11450195		9.687616	9.746429
16		4872501	5579653	11451311		9.687752	9.746607
17		4874025	5581941	11452426		9.687888	9.746785
18		4875549	5584231	11453542		9.688023	9.746963
19		4877073	5586521	11454659		9.688159	9.747141
20		4878597	5588811	11455779		9.688295	9.747319
21		4880120	5591102	11456894		9.688430	9.747497
22		4881643	5593393	11458012		9.688566	9.747675
23		4883166	5595684	11459131		9.688701	9.747853
24		4884689	5597976	11460250		9.688837	9.748031
25		4886212	5600269	11461370		9.688972	9.748209
26		4887735	5602562	11462491		9.689107	9.748386
27		4889258	5604855	11463612		9.689243	9.748564
28		4890780	5607149	11464734		9.689378	9.748742
29		4892302	5609443	11465856		9.689513	9.748920
30		4893824	5611736	11466979		9.689648	9.749097
31		4895346	5614033	11468102		9.689783	9.749275
32		4896868	5616329	11469226		9.689918	9.749452
33		4898390	5618625	11470351		9.690053	9.749630
34		4899911	5620922	11471476		9.690188	9.749807
35		4901433	562321	11472601		9.690323	9.749985
36		4902954	5625516	11473728		9.690458	9.750162
37		4904475	5627817	11474855		9.690592	9.750340
38		4905996	5630113	11475982		9.690727	9.750517
39		4907517	5632411	11477110		9.690862	9.750694
40		4909037	5634710	11478238		9.690996	9.750871
41		4910558	5637010	11479368		9.691131	9.751049
42		4912078	5639310	11480497		9.691265	9.751226
43		4913598	5641611	11481627		9.691399	9.751403
44		4915118	5643912	11482758		9.691534	9.751580
45		4916638	5646215	11483890		9.691668	9.751757
46		4918158	5648515	11485022		9.691802	9.751934
47		4919673	5650818	11486154		9.691936	9.752111
48		4921197	5653120	11487287		9.692071	9.752288
49		4922716	5655424	11488421		9.692205	9.752465
50		4924235	5657728	11489555		9.692339	9.752642



M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	8746197	18040477	20626653	9.9418.9	10.250243
99	8745341	18033045	20620161	9.941777	10.250209
98	8744504	18025635	20613673	9.941735	10.250169
97	8743657	18018221	20607191	9.941693	10.250121
96	8742810	18010812	20600712	9.941651	10.250073
95	8741963	18003407	20594239	9.941609	10.250025
94	8741115	17996007	20587770	9.941567	10.250000
93	8740267	17988612	20581306	9.941525	10.250000
92	8739419	17981221	20574847	9.941483	10.250000
91	8738571	17973835	20568392	9.941440	10.250000
90	8737722	17966454	20561942	9.941398	10.250000
89	8736873	17959077	20555497	9.941356	10.250000
88	8736024	17951705	20549056	9.941314	10.250000
87	8735174	17944337	20542620	9.941271	10.250000
86	8734325	17936974	20536189	9.941229	10.250000
85	8733475	17929610	20529762	9.941187	10.250000
84	8732624	17922252	20523340	9.941145	10.250000
83	8731774	17914913	20516922	9.941102	10.250000
82	8730923	17907568	20510510	9.941060	10.250000
81	8730072	17900228	20504101	9.941018	10.250000
80	8729221	17892893	20497698	9.940975	10.250000
79	8728369	17885552	20491299	9.940933	10.250000
78	8727517	17878216	20484905	9.940891	10.250000
77	8726665	17870894	20478515	9.940848	10.250000
76	8725813	17863577	20472130	9.940806	10.250000
75	8724960	17856255	20465749	9.940763	10.250000
74	8724107	17848937	20459374	9.940721	10.250000
73	8723254	17841613	20453002	9.940678	10.250000
72	8722400	17834294	20446636	9.940636	10.250000
71	8721547	17826970	20440274	9.940593	10.250000
70	8720693	17819650	20433910	9.940551	10.250000
69	8719838	17812335	20427563	9.940508	10.250000
68	8718984	17805024	20421215	9.940466	10.250000
67	8718129	17797714	20414871	9.940423	10.250000
66	8717274	17790406	20408532	9.940381	10.250000
65	8716419	17783100	20402197	9.940338	10.250000
64	8715563	17775796	20395867	9.940295	10.250000
63	8714707	17768494	20389541	9.940253	10.250000
62	8713851	17761193	20383220	9.940210	10.250000
61	8712995	17753895	20376904	9.940167	10.250000
60	8712138	17746598	20370592	9.940125	10.250000
59	8711281	17739301	20364284	9.940082	10.250000
58	8710424	17732005	20357980	9.940039	10.250000
57	8709566	17724714	20351683	9.940000	10.250000
56	8708709	17717427	20345389	9.939957	10.250000
55	8707851	17710141	20339100	9.939911	10.250000
54	8706992	17702856	20332815	9.939868	10.250000
53	8706134	17695573	20326534	9.939825	10.250000
52	8705275	17688294	20320259	9.939782	10.250000
51	8704416	17681010	20313987	9.939737	10.250000
50	8703557	17673729	20307720	9.939693	10.250000

M	Sinus.	Tang.	Secant	Lo. Sin.	Lo. Tan.
50	4924235	5657728	11489555	9.692339	9.752642
51	4925754	5660032	11490590	9.692473	9.752819
52	4927273	5662337	11491825	9.692606	9.752995
53	4928792	5664642	11492961	9.692740	9.753172
54	4930310	5666947	11494098	9.692874	9.753349
55	4931829	5669253	11495235	9.693008	9.753526
56	4933347	5671560	11496373	9.693141	9.753702
57	4934864	5673867	11497511	9.693275	9.753879
58	4936383	5676174	11498650	9.693409	9.754056
59	4937901	5678482	11499789	9.693542	9.754232
60	4939418	5680790	11500929	9.693676	9.754409
61	4940936	5683099	11502070	9.693809	9.754585
62	4942453	5685409	11503211	9.693942	9.754761
63	4943970	5687718	11504353	9.694076	9.754938
64	4945487	5690028	11505495	9.694209	9.755114
65	4947004	5692339	11506638	9.694342	9.755291
66	4948521	5694650	11507782	9.694475	9.755467
67	4950038	5696962	11508926	9.694608	9.755643
68	4951554	5699274	11510070	9.694741	9.755820
69	4953070	5701586	11511216	9.694874	9.755996
70	4954586	5703900	11512361	9.695007	9.756172
71	4956102	5706212	11513508	9.695140	9.756348
72	4957618	5708526	11514655	9.695273	9.756524
73	4959134	5710841	11515802	9.695406	9.756700
74	4960649	5713155	11516950	9.695538	9.756876
75	4962165	5715471	11518099	9.695671	9.757052
76	4963680	5717786	11519248	9.695804	9.757228
77	4965195	5720103	11520398	9.695936	9.757404
78	4966710	5722419	11521548	9.696069	9.757579
79	4968225	5724736	11522699	9.696201	9.757755
80	4969740	5727054	11523851	9.696333	9.757931
81	4971254	5729372	11525003	9.696466	9.758107
82	4972768	5731690	11526156	9.696598	9.758283
83	4974282	5734009	11527309	9.696730	9.758458
84	4975796	5736329	11528463	9.696862	9.758634
85	4977310	5738649	11529618	9.696995	9.758809
86	4978824	5740969	11530773	9.697127	9.758985
87	4980337	5743290	11531928	9.697259	9.759161
88	4981851	5745611	11533083	9.697391	9.759336
89	4983364	5747933	11534242	9.697522	9.759511
90	4984877	5750255	11535399	9.697654	9.759687
91	4986390	5752578	11536557	9.697786	9.759862
92	4987903	5754901	11537716	9.697918	9.760038
93	4989416	5757224	11538875	9.698049	9.760213
94	4990928	5759548	11540034	9.698181	9.760388
95	4992440	5761873	11541195	9.698313	9.760563
96	4993953	5764198	11542356	9.698444	9.760739
97	4995465	5766522	11543517	9.698576	9.760914
98	4996976	5768849	11544679	9.698707	9.761089
99	4998488	5771176	11545842	9.698838	9.761264
—	5000000	5773502	11547005	9.698970	9.761439

M	Sinus.	Tangen.	Secant.	Lo. Sin	Lo. Tan.
50	8703557	17674940	20107720	9.935697	10.247358
49	8702697	17667744	20301458	9.935614	10.247181
48	8701837	17660553	20395200	9.935531	10.247004
47	8700977	17653367	20388946	9.935448	10.246827
46	8700117	17646184	20382697	9.935365	10.246651
45	8699256	17639006	20376453	9.935282	10.246474
44	8698395	17631833	20370213	9.935199	10.246297
43	8697534	17624664	20363977	9.935116	10.2.6121
42	8696673	17617499	20357746	9.935033	10.245944
41	8695811	17610339	20351519	9.934950	10.245768
40	8694949	17603183	20345297	9.934867	10.245591
39	8694087	17596032	20339079	9.934784	10.245415
38	8693224	17588885	20332866	9.934701	10.245238
37	8692362	17581742	20326657	9.934618	10.245062
36	8691500	17574604	20320453	9.934535	10.244885
35	8690638	17567470	20314252	9.934452	10.244709
34	8689772	17560341	20308057	9.934369	10.244533
33	8688908	17553215	20301865	9.934286	10.244356
32	8688044	17546095	20295679	9.934202	10.244180
31	8687180	17538978	20289496	9.934119	10.244004
30	8686315	17531866	20283318	9.934035	10.243828
29	8685450	17524758	20277144	9.933952	10.243652
28	8684585	17517655	20270975	9.933869	10.243476
27	8683720	17510556	20264810	9.933786	10.243300
26	8682854	17503461	20258650	9.933702	10.243124
25	8681989	17496371	20252494	9.933619	10.242948
24	8681121	17489285	20246342	9.933536	10.242772
23	8680255	17482203	20240194	9.933453	10.242596
22	8679389	17475126	20234051	9.933369	10.242420
21	8678522	17468053	20227913	9.933286	10.242244
20	8677654	17460984	20221778	9.933202	10.242069
19	8676787	17453920	20215648	9.933119	10.241893
18	8675919	17446860	20209523	9.933035	10.241717
17	8675051	17439804	20203401	9.932952	10.241541
16	8674183	17432752	20197285	9.932868	10.241366
15	8673314	17425705	20191172	9.932785	10.241190
14	8672445	17418662	20185064	9.932701	10.241015
13	8671576	17411623	20178960	9.932618	10.240839
12	8670707	17404589	20172860	9.932534	10.2.0664
11	8669837	17397559	20166765	9.932451	10.240488
10	8668967	17390533	20160674	9.932367	10.240313
9	8668097	17383511	20154587	9.932284	10.240137
8	8667227	17376494	20148505	9.932200	10.239962
7	8666356	17369481	20142427	9.932116	10.239787
6	8665485	17362472	20136353	9.932033	10.239611
5	8664614	17355467	20130283	9.931949	10.239436
4	8663742	17348467	20124218	9.931865	10.239261
3	8662871	17341471	20118157	9.931782	10.239086
2	8661999	17334479	2.012100	9.931698	10.238911
1	8661126	17327491	20006048	9.931615	10.238736
0	8660254	17320508	20000000	9.931530	10.238560

M	Sinus	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	5000000	5773502	11547005	9.691770	9.761439
1	5001511	5775030	11548109	9.691904	9.761614
2	5003022	5776558	11549333	9.692032	9.761769
3	5004534	5778085	11550438	9.692163	9.761904
4	5006045	5779615	11551604	9.692294	9.762139
5	5007555	5781144	11552830	9.692426	9.762314
6	5009066	5782674	11553997	9.692557	9.762489
7	5010577	5784204	11555164	9.692688	9.762654
8	5012087	5785734	11556332	9.692818	9.762838
9	5013597	5787265	11557501	9.692949	9.763013
10	5015107	5788797	11558670	9.693080	9.763188
11	5016617	5790329	11559840	9.693211	9.763363
12	5018127	5791862	11561010	9.693341	9.763537
13	5019636	5793395	11562181	9.693472	9.763712
14	5021146	5794928	11563352	9.693603	9.763886
15	5022655	5796462	11564525	9.693733	9.764061
16	5024164	5797995	11565697	9.693864	9.764235
17	5025673	5799528	11566870	9.693994	9.764410
18	5027182	5801062	11568044	9.694125	9.764585
19	5028691	5802595	11569219	9.694255	9.764759
20	5030200	5804128	11570394	9.694386	9.764934
21	5031709	5805662	11571569	9.694516	9.765108
22	5033218	5807195	11572744	9.694647	9.765283
23	5034727	5808728	11573922	9.694777	9.765457
24	5036236	5810262	11575097	9.694908	9.765632
25	5037745	5811795	11576272	9.695038	9.765806
26	5039254	5813328	11577447	9.695169	9.765981
27	5040763	5814862	11578622	9.695299	9.766155
28	5042272	5816395	11579797	9.695430	9.766330
29	5043781	5817928	11580972	9.695560	9.766504
30	5045290	5819462	11582147	9.695691	9.766679
31	5046799	5820995	11583322	9.695821	9.766853
32	5048308	5822528	11584497	9.695952	9.767028
33	5049817	5824062	11585672	9.696082	9.767202
34	5051326	5825595	11586847	9.696213	9.767377
35	5052835	5827128	11588022	9.696343	9.767551
36	5054344	5828662	11589197	9.696474	9.767726
37	5055853	5830195	11590372	9.696604	9.767900
38	5057362	5831728	11591547	9.696735	9.768075
39	5058871	5833262	11592722	9.696865	9.768249
40	5060380	5834795	11593897	9.696996	9.768424
41	5061889	5836328	11595072	9.697126	9.768598
42	5063398	5837862	11596247	9.697257	9.768773
43	5064907	5839395	11597422	9.697387	9.768947
44	5066416	5840928	11598597	9.697518	9.769122
45	5067925	5842462	11599772	9.697648	9.769296
46	5069434	5843995	11600947	9.697779	9.769471
47	5070943	5845528	11602122	9.697909	9.769645
48	5072452	5847062	11603297	9.698040	9.769820
49	5073961	5848595	11604472	9.698170	9.769994
50	5075470	5850128	11605647	9.698301	9.770169

M.	Sinus.	Tangen.	Secant.	Log. Sin.	Log Tan.
100	8660354	17320508	20970000	9.9375330	10.238560
99	8659381	17313529	19993956	9.937487	10.238385
98	8658408	17306554	19087916	9.937443	10.238210
97	8657635	17299583	19081881	9.937399	10.238035
96	8656761	17292616	19075850	9.937355	10.237861
95	8655887	17285654	19069823	9.937311	10.237686
94	8655013	17278696	19063800	9.937268	10.237511
93	8654139	17271742	19057782	9.937224	10.237336
92	8653264	17264782	19051768	9.937180	10.237161
91	8652390	17257826	19045758	9.937136	10.236986
90	8651514	17250865	19039752	9.937092	10.236812
89	8650639	17243908	19033751	9.937048	10.236637
88	8649763	17236954	19027754	9.937004	10.236462
87	8648887	17230000	19021761	9.936960	10.236288
86	8648011	17223048	19015772	9.936916	10.236113
85	8647134	17216094	19009787	9.936872	10.235939
84	8646257	17209144	19003807	9.936828	10.235764
83	8645380	17202192	18997821	9.936784	10.235590
82	8644503	17195242	18991859	9.936740	10.235415
81	8643626	17188292	18985891	9.936696	10.235241
80	8642749	17181340	18979928	9.936652	10.235066
79	8641872	17174388	18973968	9.936608	10.234892
78	8640995	17167433	18968012	9.936563	10.234718
77	8640118	17160484	18962061	9.936519	10.234544
76	8639241	17153532	18956114	9.936475	10.234369
75	8638364	17146579	18950172	9.936431	10.234195
74	8637487	17139628	18944233	9.936387	10.234021
73	8636610	17132677	18938299	9.936342	10.233847
72	8635733	17125726	18932368	9.936298	10.233673
71	8634856	17118775	18926442	9.936254	10.233499
70	8633979	17111824	18920520	9.936210	10.233325
69	8633102	17104873	18914602	9.936165	10.233151
68	8632225	17097922	18908688	9.936121	10.232977
67	8631348	17090971	18902779	9.936077	10.232803
66	8630471	17084020	18896871	9.936032	10.232629
65	8629594	17077069	18890972	9.935988	10.232455
64	8628717	17070118	18885075	9.935944	10.232281
63	8627840	17063167	18879182	9.935899	10.232107
62	8626963	17056216	18873293	9.935855	10.231934
61	8626086	17049265	18867408	9.935810	10.231760
60	8625209	17042314	18861527	9.935766	10.231586
59	8624332	17035363	18855650	9.935721	10.231413
58	8623455	17028412	18849778	9.935677	10.231239
57	8622578	17021461	18843909	9.935632	10.231065
56	8621701	17014510	18838045	9.935588	10.230892
55	8620824	17007559	18832184	9.935543	10.230718
54	8619947	17000608	18826328	9.935499	10.230545
53	8619070	16993657	18820476	9.935454	10.230371
52	8618193	16986706	18814628	9.935409	10.230198
51	8617316	16979755	18808784	9.935365	10.230025
50	8616439	16972804	18802944	9.935320	10.229851

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan
50	5075383	5830450	11605921	9.705469	9.770148
51	5076857	5892801	11607114	9.705597	9.770312
52	5078391	5895153	11608308	9.705726	9.770495
53	5079894	5897505	11609503	9.705854	9.770605
54	5071397	5899857	11610698	9.705983	9.770841
55	5072301	5902211	11611894	9.706111	9.771015
56	5084404	5904564	11613091	9.706240	9.771100
57	5085506	5906918	11614281	9.706368	9.771361
58	5087409	5909273	11615485	9.706496	9.771534
59	5088912	5911628	11616684	9.706625	9.771707
60	5090414	5913983	11617883	9.706753	9.771860
61	5091916	5916339	11619082	9.706881	9.772033
62	5093418	5918696	11620282	9.707009	9.772200
63	5094920	5921053	11621483	9.707137	9.772399
64	5096422	5923410	11622684	9.707265	9.772572
65	5097923	5925768	11623886	9.707393	9.772744
66	5099425	5928127	11625089	9.707521	9.772917
67	5100926	5930486	11626292	9.707649	9.773090
68	5102427	5932845	11627495	9.707777	9.773263
69	5103928	5935205	11628690	9.707904	9.773430
70	5105429	5937565	11629895	9.708032	9.773608
71	5106930	5939926	11631100	9.708160	9.773781
72	5108430	5942288	11632316	9.708287	9.773953
73	5109930	5944649	11633523	9.708415	9.774126
74	5111431	5947012	11634730	9.708542	9.774299
75	5112931	5949375	11635938	9.708670	9.774471
76	5114431	5951738	11637147	9.708797	9.774644
77	5115930	5954102	11638356	9.708924	9.774816
78	5117430	5956466	11639566	9.709052	9.774988
79	5118929	5958831	11640776	9.709179	9.775161
80	5120428	5961196	11641987	9.709306	9.775333
81	5121928	5963562	11643198	9.709433	9.775505
82	5123426	5965928	11644411	9.709560	9.775676
83	5124925	5968295	11645623	9.709687	9.775848
84	5126424	5970662	11646837	9.709814	9.776022
85	5127922	5973030	11648051	9.709941	9.776195
86	5129421	5975398	11649265	9.710068	9.776367
87	5130919	5977767	11650481	9.710195	9.776539
88	5132417	5980136	11651696	9.710322	9.776711
89	5133915	5982506	11652913	9.710448	9.776883
90	5135412	5984876	11654130	9.710575	9.777055
91	5136910	5987247	11655347	9.710702	9.777227
92	5138407	5989618	11656566	9.710828	9.777399
93	5139904	5991990	11657785	9.710955	9.777571
94	5141401	5994362	11659004	9.711081	9.777743
95	5142898	5996735	11660224	9.711208	9.777915
96	5144395	5999108	11661445	9.711334	9.778087
97	5145892	6001482	11662666	9.711461	9.778258
98	5147389	6003856	11663888	9.711587	9.778430
99	5148884	6006231	11665111	9.711713	9.778602
	5150381	6008606	11666334	9.711839	9.778774



M	'Sinus	Tangens	Secant.	Lo. Sin.	Lo. Tan.
50	8616291	16976031	19702944	9.935320	10.229351
49	8615405	16969858	19697108	9.935370	10.229678
48	8614519	16963088	19691275	9.935421	10.229955
47	8613633	16956323	19685448	9.935473	10.230231
46	8612746	16949561	19679625	9.935524	10.230508
45	8611859	16942804	19673805	9.935577	10.230785
44	8610971	16936050	19667989	9.935629	10.231062
43	8610084	16929301	19662173	9.935682	10.231339
42	8609196	16922555	19656370	9.935734	10.231616
41	8608308	16915814	19650566	9.935787	10.231893
40	8607420	16909076	1964477	9.935839	10.232170
39	8606531	16902343	19638971	9.935892	10.232447
38	8605643	16895613	19633150	9.935944	10.232724
37	8604754	16888888	19627332	9.935997	10.233001
36	8603864	16882166	19621509	9.936049	10.233278
35	8602975	16875448	19615682	9.936102	10.233555
34	8602085	16868735	19609854	9.936154	10.233832
33	8601195	16862025	19604032	9.936207	10.234109
32	8600304	16855319	19598215	9.936259	10.234386
31	8599413	16848617	19592391	9.936312	10.234663
30	8598523	16841919	19586572	9.936364	10.234940
29	8597631	16835225	19580756	9.936417	10.235217
28	8596740	16828535	19574945	9.936469	10.235494
27	8595848	16821849	19569137	9.936522	10.235771
26	8594956	16815167	19563333	9.936574	10.236048
25	8594064	16808489	19557524	9.936627	10.236325
24	8593171	16801814	19551718	9.936679	10.236602
23	8592279	16795144	19545916	9.936732	10.236879
22	8591386	16788477	19540118	9.936784	10.237156
21	8590492	16781815	19534325	9.936837	10.237433
20	8589599	16775156	19528525	9.936889	10.237710
19	8588705	16768501	19522729	9.936942	10.237987
18	8587811	16761850	19516937	9.936994	10.238264
17	8586917	16755203	19511149	9.937047	10.238541
16	8586022	16748560	19505365	9.937099	10.238818
15	8585127	16741921	19500574	9.937152	10.239095
14	8584232	16735285	19494788	9.937204	10.239372
13	8583337	16728654	19488996	9.937257	10.239649
12	8582441	16722026	19483207	9.937309	10.239926
11	8581545	16715402	19477421	9.937362	10.240203
10	8580649	16708782	19471632	9.937414	10.240480
9	8579752	16702166	19465845	9.937467	10.240757
8	8578856	16695554	19460061	9.937519	10.241034
7	8577959	16688946	19454279	9.937572	10.241311
6	8577062	16682341	19448499	9.937624	10.241588
5	8576164	16675740	19442728	9.937677	10.241865
4	8575266	16669144	19436950	9.937729	10.242142
3	8574368	16662551	19431177	9.937782	10.242419
2	8573470	16655961	19425403	9.937834	10.242696
1	8572572	16649376	19419632	9.937887	10.242973
0	8571673	16642795	19413860	9.937939	10.243250

M	Sinus	Tang.	Secant.	Lo. Sin.	Lo Tan
0	5150381	6021606	11666334	9.711839	9.778774
1	5151077	6010983	11667553	9.711965	9.778445
2	5153372	6013358	11668782	9.712091	9.779117
3	5154468	6015735	11670007	9.712217	9.779288
4	5156363	601812	11671232	9.712343	9.779460
5	5157859	602111	11672459	9.712469	9.779632
6	5159354	6023503	11573685	9.712595	9.779803
7	5160849	6025246	11574913	9.712721	9.779975
8	5162344	6027026	11576141	9.712847	9.780146
9	5163839	6030005	11577370	9.712972	9.780318
10	5165333	6032185	11578599	9.713098	9.780489
11	5166827	6034730	11579827	9.713224	9.780660
12	5168322	6037147	11581059	9.713349	9.780831
13	5169816	6039527	11582290	9.713475	9.781002
14	5171310	6041911	11583522	9.713600	9.781173
15	5172803	6044234	11584751	9.713726	9.781344
16	5174297	6046677	11585980	9.713851	9.781515
17	5175791	6049201	11587211	9.713977	9.781686
18	5177284	6051445	11588443	9.714102	9.781857
19	5178777	6053833	11589672	9.714227	9.782028
20	5180270	6056215	11590902	9.714352	9.782199
21	5181763	6058601	11592132	9.714477	9.782370
22	5183255	6061009	11593362	9.714602	9.782541
23	5184748	6063277	11594593	9.714727	9.782712
24	5186240	6065661	11595823	9.714852	9.782883
25	5187732	6068114	11597052	9.714977	9.783054
26	5189224	6070537	11598281	9.715102	9.783225
27	5190716	6072925	11599511	9.715227	9.783396
28	5192208	6075311	11600741	9.715352	9.783567
29	5193700	6077770	11601972	9.715477	9.783738
30	5195191	6080096	11603202	9.715601	9.783909
31	5196682	6082416	11604436	9.715726	9.784081
32	5198173	6084777	11605669	9.715851	9.784252
33	5199664	6087139	11606902	9.715975	9.784423
34	5201155	6089561	11608135	9.716100	9.784594
35	5202645	6092054	11609368	9.716224	9.784765
36	5204136	6094447	11610602	9.716348	9.784936
37	5205626	6096841	11611835	9.716473	9.785107
38	5207116	6099236	11613069	9.716597	9.785278
39	5208606	6101631	11614302	9.716721	9.785449
40	5210096	6104026	11615536	9.716846	9.785620
41	5211586	6106422	11616770	9.716970	9.785791
42	5213075	6108818	11618003	9.717094	9.785962
43	5214565	6111215	11619237	9.717218	9.786133
44	5216054	6113612	11620472	9.717342	9.786304
45	5217543	6116010	11621706	9.717466	9.786475
46	5219032	6118400	11622940	9.717590	9.786646
47	5220520	6120806	11624174	9.717714	9.786817
48	5222009	6123207	11625408	9.717837	9.786988
49	5223497	6125607	11626642	9.717961	9.787159
50	5224985	6128008	11627877	9.718085	9.787330

M	Sinus	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	8571673	16642795	19416040	9.933065	10.221222
99	8570774	16636217	19410402	9.933020	10.221054
98	8569874	16629643	19404708	9.932974	10.220883
97	8568975	16623073	19399133	9.932928	10.220711
96	8568075	16616507	19393512	9.932883	10.220540
95	8567175	16609944	19387889	9.932837	10.220368
94	8566275	16603386	19382271	9.932792	10.220195
93	8565374	16596831	19376656	9.932746	10.220025
92	8564473	16590280	19371045	9.932700	10.219854
91	8563572	16583733	19365438	9.932655	10.219682
90	8562671	16577189	19359835	9.932609	10.219511
89	8561769	16570650	19354235	9.932563	10.219339
88	8560867	16564115	19348640	9.932516	10.219168
87	8559965	16557582	19343040	9.932472	10.218997
86	8559062	16551053	19337440	9.932427	10.218825
85	8558160	16544529	19331870	9.932380	10.218654
84	8557257	16538001	19326296	9.932334	10.218483
83	8556354	16531471	19320719	9.932287	10.218312
82	8555451	16524948	19315147	9.932243	10.218141
81	8554548	16518426	19309570	9.932197	10.217970
80	8553642	16511902	19304013	9.932151	10.217798
79	8552739	16505380	19298451	9.932105	10.217627
78	8551834	16498852	19292894	9.932059	10.217455
77	8550929	16492326	19287340	9.932013	10.217283
76	8550024	16485801	19281790	9.931967	10.217111
75	8549117	16479279	19276244	9.931921	10.216940
74	8548213	16472756	19270702	9.931875	10.216773
73	8547307	16466237	19265163	9.931829	10.216602
72	8546401	16459711	19259622	9.931783	10.216431
71	8545495	16453179	19254097	9.931737	10.216260
70	8544590	16446644	19248570	9.931691	10.216089
69	8543681	16440106	19243046	9.931645	10.215919
68	8542774	16433565	19237526	9.931599	10.215746
67	8541866	16427022	19232010	9.931553	10.215577
66	8540959	16420474	19226493	9.931507	10.215407
65	8540051	16413924	19220970	9.931461	10.215236
64	8539143	16407370	19215455	9.931415	10.215066
63	8538235	16400813	19209930	9.931369	10.214895
62	8537326	16394259	19204406	9.931323	10.214724
61	8536417	16387700	19198885	9.931277	10.214554
60	8535508	16381138	19193363	9.931231	10.214383
59	8534599	16374572	19187847	9.931185	10.214213
58	8533689	16368003	19182334	9.931139	10.214042
57	8532779	16361435	19176817	9.931093	10.213872
56	8531869	16354864	19171301	9.931047	10.213702
55	8530958	16348291	19165786	9.931001	10.213532
54	8530047	16341718	19160262	9.930955	10.213361
53	8529136	16335143	19154743	9.930909	10.213191
52	8528225	16328566	19149224	9.930863	10.213021
51	8527313	16321987	19143701	9.930817	10.212851
50	8526401	16315407	19138183	9.930771	10.212680

	Sn.	Tang.	Secant	Lo. Sin.	Lo. Tan.
50	522478	6123205	1172127	9.718085	9.787319
51	5226174	6130403	11723531	9.718209	9.787489
52	5227951	6132810	11720787	9.718332	9.787659
53	5229444	6135212	11732043	9.718456	9.787829
54	5230717	6137615	11733297	9.718579	9.787999
55	5232124	6140018	11734557	9.718703	9.788169
56	5233301	6142421	11735814	9.718826	9.788339
57	5235339	6144825	11737073	9.718950	9.788509
58	5236835	6147230	11738332	9.719073	9.788679
59	5238372	6149635	11739592	9.719196	9.788849
60	523959	6152041	11740853	9.719319	9.789019
61	5241345	6154447	11742113	9.719443	9.789189
62	5242832	6156854	11743375	9.719566	9.789359
63	5244318	6159251	11744637	9.719689	9.789528
64	5245804	6161659	11745900	9.719815	9.789698
65	5247290	6164067	11747163	9.719938	9.789868
66	5248775	6166475	11748427	9.720068	9.790038
67	5250261	6168883	11749692	9.720181	9.790207
68	5251746	6171291	11750957	9.720304	9.790377
69	5253231	6173701	11752223	9.720426	9.790546
70	5254716	6176110	11753490	9.720549	9.790716
71	5256201	6178517	11754757	9.720672	9.790885
72	5257686	6180924	11756025	9.720794	9.791055
73	5259170	6183331	11757294	9.720917	9.791224
74	5260655	6185737	11758563	9.721040	9.791394
75	5262139	6188144	11759833	9.721162	9.791563
76	5263623	6190552	11761103	9.721285	9.791733
77	5265107	6192960	11762374	9.721407	9.791902
78	5266591	6195368	11763645	9.721529	9.792071
79	5268074	6197775	11764918	9.721652	9.792241
80	5269558	6200182	11766191	9.721774	9.792410
81	5271042	6202589	11767465	9.721896	9.792579
82	5272526	6204996	11768739	9.722018	9.792748
83	5274009	6207403	11770014	9.722141	9.792918
84	5275493	6209810	11771289	9.722263	9.793087
85	5276977	6212217	11772565	9.722385	9.793256
86	5278461	6214624	11773842	9.722507	9.793425
87	5279945	6217031	11775120	9.722629	9.793594
88	5281429	6219438	11776398	9.722752	9.793763
89	5282913	6221845	11777675	9.722874	9.793932
90	5284397	6224252	11778956	9.722994	9.794101
91	5285881	6226659	11780236	9.723116	9.794270
92	5287365	6229066	11781516	9.723238	9.794439
93	5288849	6231473	11782797	9.723359	9.794608
94	5290333	6233880	11784077	9.723481	9.794777
95	5291817	6236287	11785352	9.723602	9.794945
96	5293301	6238694	11786645	9.723724	9.795114
97	5294785	6241101	11787923	9.723845	9.795283
98	5296269	6243508	11789213	9.723967	9.795452
99	5297753	6245915	11790498	9.724088	9.795620
	5299237	6248322	11791774	9.724210	9.795789

M	Sinus.	Tangen.	Secant.	Lo. Sin	Lo. Tan.
50	8526401	16318517	19138808	9.930766	10.2112680
49	8525489	16312125	19133359	9.930719	10.2112110
48	8524577	16305738	19127914	9.930673	10.2112340
47	8523664	16299354	19122472	9.930628	10.2112170
46	8522752	16292974	19117034	9.930580	10.2112000
45	8521839	16286597	19111600	9.930533	10.2111830
44	8520925	16280224	19106169	9.930487	10.2111660
43	8520012	16273854	19100742	9.930440	10.2111490
42	8519098	16267489	19095318	9.930393	10.2111320
41	8518184	16261126	19089899	9.930347	10.2111150
40	8517269	16254768	19084483	9.930300	10.2110981
39	8516354	16248413	19079070	9.930254	10.2110811
38	8515440	16242061	19073661	9.930207	10.2110641
37	8514524	16235714	19068256	9.930160	10.2110471
36	8513609	16229369	19062855	9.930114	10.2110301
35	8512693	16223029	19057457	9.930067	10.2110132
34	8511777	16216692	19052063	9.930020	10.2109962
33	8510861	16210358	19046672	9.929973	10.2109792
32	8509945	16204039	19041285	9.929927	10.2109623
31	8509028	16197702	19035902	9.929880	10.2109453
30	8508111	16191380	19030522	9.929833	10.2109284
29	8507194	16185061	19025145	9.929786	10.2109114
28	8506276	16178745	19019774	9.929739	10.2108945
27	8505358	16172433	19014405	9.929692	10.2108775
26	8504440	16166125	19009040	9.929646	10.2108606
25	8503522	16159820	19003678	9.929599	10.2108436
24	8502604	16153518	18998320	9.929552	10.2108267
23	8501685	16147221	18992965	9.929505	10.2108098
22	8500766	16140926	18987615	9.929458	10.2107928
21	8499846	16134636	18982267	9.929411	10.2107759
20	8498927	16128349	18976924	9.929364	10.2107590
19	8498007	16122065	18971584	9.929317	10.2107420
18	8497087	16115785	18966247	9.929270	10.2107251
17	8496166	16109509	18960914	9.929223	10.2107082
16	8495246	16103236	18955585	9.929176	10.2106913
15	8494325	16096966	18950259	9.929129	10.2106744
14	8493404	16090700	18944937	9.929082	10.2106575
13	8492482	16084438	18939618	9.929035	10.2106406
12	8491561	16078179	18934303	9.928987	10.2106237
11	8490639	16071924	18928992	9.928940	10.2106068
10	8489717	16065672	18923684	9.928893	10.2105899
9	8488794	16059423	18918379	9.928846	10.2105730
8	8487872	16053178	18913078	9.928799	10.2105561
7	8486949	16046937	18907781	9.928751	10.2105392
6	8486025	16040699	18902487	9.928704	10.2105223
5	8485102	16034465	18897197	9.928657	10.2105054
4	8484178	16028234	18891910	9.928610	10.2104885
3	8483254	16022006	18886627	9.928562	10.2104717
2	8482330	16015783	18881348	9.928515	10.2104548
1	8481406	16009562	18876072	9.928468	10.2104379
0	8480481	16003345	18870799	9.928420	10.2104211

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	52331.32	52435.33	117317.31	9.724210	9.7235789
1	52355.72	52511.20	117380.70	9.724331	9.7236958
2	52380.12	52533.48	117435.57	9.724442	9.7238126
3	52404.52	52555.76	117490.45	9.724553	9.7239295
4	52428.92	52578.04	117545.33	9.724664	9.7240463
5	52453.32	52600.32	117600.22	9.724775	9.7241632
6	52477.72	52622.60	117655.11	9.724886	9.7242801
7	52502.12	52644.88	117710.00	9.724997	9.7243969
8	52526.52	52667.16	117764.89	9.725108	9.7245137
9	52550.92	52689.44	117819.78	9.725219	9.7246306
10	52575.32	52711.72	117874.67	9.725330	9.7247474
11	52599.72	52734.00	117929.56	9.725441	9.7248643
12	52624.12	52756.28	117984.45	9.725552	9.7249811
13	52648.52	52778.56	118039.34	9.725663	9.7250979
14	52672.92	52800.84	118094.23	9.725774	9.7252148
15	52697.32	52823.12	118149.12	9.725885	9.7253316
16	52721.72	52845.40	118204.01	9.725996	9.7254484
17	52746.12	52867.68	118258.90	9.726107	9.7255653
18	52770.52	52890.00	118313.79	9.726218	9.7256821
19	52794.92	52912.28	118368.68	9.726329	9.7257989
20	52819.32	52934.56	118423.57	9.726440	9.7259157
21	52843.72	52956.84	118478.46	9.726551	9.7260325
22	52868.12	52979.12	118533.35	9.726662	9.7261493
23	52892.52	53001.40	118588.24	9.726773	9.7262661
24	52916.92	53023.68	118643.13	9.726884	9.7263829
25	52941.32	53045.96	118698.02	9.726995	9.7264997
26	52965.72	53068.24	118752.91	9.727106	9.801165
27	52990.12	53090.52	118807.80	9.727217	9.800333
28	53014.52	53112.80	118862.69	9.727328	9.800501
29	53038.92	53135.08	118917.58	9.727439	9.800668
30	53063.32	53157.36	118972.47	9.727550	9.800836
31	53087.72	53179.64	119027.36	9.727661	9.801004
32	53112.12	53201.92	119082.25	9.727772	9.801172
33	53136.52	53224.20	119137.14	9.727883	9.801340
34	53160.92	53246.48	119192.03	9.727994	9.801507
35	53185.32	53268.76	119246.92	9.728105	9.801675
36	53209.72	53291.04	119301.81	9.728216	9.801843
37	53234.12	53313.32	119356.70	9.728327	9.802010
38	53258.52	53335.60	119411.59	9.728438	9.802178
39	53282.92	53357.88	119466.48	9.728549	9.802346
40	53307.32	53380.16	119521.37	9.728660	9.802514
41	53331.72	53402.44	119576.26	9.728771	9.802682
42	53356.12	53424.72	119631.15	9.728882	9.802850
43	53380.52	53447.00	119686.04	9.728993	9.803018
44	53404.92	53469.28	119740.93	9.729104	9.803186
45	53429.32	53491.56	119795.82	9.729215	9.803354
46	53453.72	53513.84	119850.71	9.729326	9.803522
47	53478.12	53536.12	119905.60	9.729437	9.803690
48	53502.52	53558.40	119960.49	9.729548	9.803858
49	53526.92	53580.68	120015.38	9.729659	9.804026
50	53551.32	53602.96	120070.27	9.729770	9.804194



M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	8480481	10033345	1887079	9.928420	10.204211
99	8479516	15997132	18865530	9.928373	10.204042
98	8478630	15990922	18860264	9.928326	10.203873
97	8477705	15984715	18855002	9.928278	10.203705
96	8476779	15978512	18849744	9.928231	10.203536
95	8475853	15972312	18844489	9.928183	10.203368
94	8474927	15966116	18839237	9.928136	10.203199
93	8474000	15959923	18833989	9.928088	10.203031
92	8473073	15953734	18828745	9.928041	10.202862
91	8472146	15947548	18823504	9.927993	10.202694
90	8471219	15941366	18818266	9.927946	10.202525
89	8470291	15935187	18813032	9.927898	10.202357
88	8469364	15929011	18807802	9.927851	10.202189
87	8468435	15922839	18802574	9.927803	10.202020
86	8467507	15916670	18797351	9.927755	10.201852
85	8466578	15910505	18792131	9.927708	10.201684
84	8465640	15904343	18786914	9.927660	10.201516
83	8464720	15898185	18781701	9.927612	10.201347
82	8463791	15892030	18776491	9.927565	10.201179
81	8462861	15885878	18771285	9.927517	10.201011
80	8461931	15879730	18766082	9.927469	10.200843
79	8461001	15873586	18760882	9.927422	10.200675
78	8460071	15867444	18755687	9.927374	10.200507
77	8459140	15861306	18750494	9.927326	10.200339
76	8458209	15855172	18745305	9.927278	10.200171
75	8457278	15849041	18740120	9.927230	10.200003
74	8456347	15842913	18734938	9.927183	10.199835
73	8455415	15836788	18729759	9.927135	10.199667
72	8454483	15830667	18724584	9.927087	10.199499
71	8453551	15824550	18719412	9.927039	10.199331
70	8452618	15818436	18714243	9.926991	10.199163
69	8451685	15812325	18709078	9.926943	10.198995
68	8450752	15806217	18703917	9.926895	10.198828
67	8449819	15800113	18698759	9.926847	10.198660
66	8448886	15794012	18693604	9.926799	10.198492
65	8447952	15787915	18688453	9.926751	10.198325
64	8447018	15781821	18683305	9.926703	10.198157
63	8446083	15775730	18678160	9.926655	10.197989
62	8445149	15769643	18673019	9.926607	10.197822
61	8444214	15763559	18667881	9.926559	10.197654
60	8443279	15757478	18662747	9.926511	10.197487
59	8442344	15751401	18657616	9.926463	10.197319
58	8441408	15745327	18652489	9.926415	10.197151
57	8440472	15739257	18647364	9.926367	10.196984
56	8439536	15733189	18642244	9.926318	10.196817
55	8438600	15727125	18637126	9.926270	10.196649
54	8437663	15721065	18632012	9.926222	10.196482
53	8436726	15715007	18626901	9.926174	10.196314
52	8435789	15708953	18621794	9.926126	10.196147
51	8434852	15702903	18616690	9.926077	10.195980
50	8433914	15696856	18611590	9.926029	10.195812

M	S. m. s.	Long.	Secant.	L. S. n.	L. o. Tan
50	5372430	6370702	11856890	1.730110	9.804187
51	5374458	6373156	11856239	1.730335	9.804354
52	5375940	6375611	11855528	1.730451	9.804522
53	5377411	6378066	11854843	1.730573	9.804690
54	5378833	6380522	11854169	1.730692	9.804856
55	5380354	6382978	11853490	1.730811	9.805023
56	5381825	6385434	11852812	1.730922	9.805190
57	5383296	6387892	11852135	1.731048	9.805357
58	5384767	6390349	11851458	1.731167	9.805524
59	5386237	6392808	11850782	1.731285	9.805691
60	5387708	6395267	11850107	1.731404	9.805858
61	5389179	6397726	11849432	1.731522	9.806025
62	5390648	6400186	11848758	1.731641	9.806192
63	5392118	6402647	11848084	1.731759	9.806359
64	5393583	6405108	11847412	1.731878	9.806526
65	5395057	6417569	11846740	1.731996	9.806693
66	5396527	6410031	11846068	1.732114	9.806860
67	5397996	6412494	11845397	1.732232	9.807027
68	5399465	6414957	11844727	1.732351	9.807194
69	5400934	6417421	11844058	1.732469	9.807360
70	5402403	6419886	11843389	1.732587	9.807527
71	5403872	6422351	11842721	1.732705	9.807694
72	5405340	6424816	11842053	1.732823	9.807861
73	5406808	6427282	11841385	1.732941	9.808027
74	5408277	6429747	11840720	1.733059	9.808194
75	5409745	6432215	11840055	1.733177	9.808360
76	5411212	6434684	11839390	1.733295	9.808527
77	5412680	6437152	11838726	1.733412	9.808694
78	5414147	6439621	11838062	1.733530	9.808860
79	5415615	6442090	11837399	1.733648	9.809027
80	5417082	6444560	11836737	1.733765	9.809193
81	5418549	6447031	11836075	1.733883	9.809360
82	5420016	6449502	11835415	1.734000	9.809526
83	5421482	6451973	11834754	1.734118	9.809692
84	5422949	6454445	11834095	1.734235	9.809859
85	5424415	6456918	11833436	1.734353	9.810025
86	5425881	6459391	11832778	1.734470	9.810191
87	5427347	6461865	11832120	1.734587	9.810358
88	5428813	6464339	11831463	1.734705	9.810524
89	5430279	6466814	11830807	1.734822	9.810690
90	5431744	6469290	11830152	1.734939	9.810856
91	5433210	6471766	11829497	1.735056	9.811023
92	5434675	6474243	11828842	1.735173	9.811189
93	5436140	6476720	11828189	1.735290	9.811355
94	5437605	6479198	11827536	1.735407	9.811521
95	5439069	6481676	11826884	1.735524	9.811687
96	5440534	6484155	11826232	1.735641	9.811853
97	5441998	6486634	11825581	1.735758	9.812019
98	5443462	6489114	11824931	1.735875	9.812185
99	5444926	6491593	11824282	1.735992	9.812351
	5446390	6494070	11823633	1.736109	9.812517

M	Sinus	Tangens	Secant.	Lo. Sin	Lo. Tan.
50	8433914	15696856	18611590	9.926029	10.195812
49	8432976	15690812	18606493	9.925981	10.195645
48	8432038	15684771	18601399	9.925933	10.195473
47	8431100	15678733	18596308	9.925884	10.195311
46	8430161	15672699	18591221	9.925836	10.195144
45	8429222	15666669	18586137	9.925787	10.194976
44	8428283	15660641	18581057	9.925739	10.194809
43	8427344	15654617	18575980	9.925691	10.194642
42	8426404	15648596	18570906	9.925642	10.194475
41	8425464	15642578	18565836	9.925594	10.194308
40	8424524	15636564	18560769	9.925545	10.194141
39	8423583	15630553	18555705	9.925497	10.193974
38	8422643	15624545	18550644	9.925448	10.193807
37	8421702	15618549	18545587	9.925400	10.193640
36	8420760	15612531	18540534	9.925351	10.193473
35	8419819	15606541	18535483	9.925303	10.193306
34	8418877	15600547	18530436	9.925254	10.193140
33	8417935	15594555	18525392	9.925205	10.192973
32	8416993	15588567	18520352	9.925157	10.192806
31	8416050	15582582	18515314	9.925108	10.192639
30	8415108	15576601	18510281	9.925059	10.192472
29	8414165	15570622	18505250	9.925011	10.192306
28	8413221	15564647	18500223	9.924962	10.192139
27	8412278	15558675	18495199	9.924913	10.191972
26	8411334	15552706	18490178	9.924865	10.191806
25	8410390	15546741	18485160	9.924816	10.191639
24	8409446	15540770	18480146	9.924767	10.191473
23	8408501	15534820	18475135	9.924718	10.191306
22	8407556	15528864	18470128	9.924670	10.191139
21	8406611	15522912	18465123	9.924621	10.190973
20	8405666	15516962	18460122	9.924572	10.190807
19	8404720	15511016	18455125	9.924523	10.190640
18	8403774	15505074	18450130	9.924474	10.190474
17	8402828	15499134	18445139	9.924425	10.190307
16	8401882	15493197	18440151	9.924376	10.190141
15	8400935	15487264	18435166	9.924327	10.189975
14	8399988	15481334	18430185	9.924279	10.189808
13	8399041	15475407	18425207	9.924230	10.189642
12	8398094	15469484	18420232	9.924181	10.189476
11	8397146	15463564	18415260	9.924132	10.189309
10	8396198	15457646	18410291	9.924083	10.189143
9	8395250	15451732	18405326	9.924033	10.188977
8	8394302	15445822	18400364	9.923984	10.188811
7	8393353	15439914	18395405	9.923935	10.188645
6	8392404	15434009	18390450	9.923886	10.188479
5	8391455	15428108	18385498	9.923837	10.188312
4	8390506	15422210	18380548	9.923788	10.188146
3	8389556	15416315	18375603	9.923739	10.187987
2	8388606	15410423	18370660	9.923690	10.187814
1	8387656	15404535	18365721	9.923641	10.187648
0	8386705	15398649	18360784	9.923591	10.187482

M	Sinis.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	5446270	6493070	11923693	9.736109	9.812517
1	5447454	6496457	11924935	9.736235	9.812683
2	5449317	6499204	11926337	9.736342	9.812849
3	5450731	6501522	11927090	9.736459	9.813015
4	5452244	6503040	11928044	9.736575	9.813181
5	5453707	6506490	11930398	9.736692	9.813347
6	5455170	6508974	11931754	9.736808	9.813512
7	5456632	6511459	11933109	9.736925	9.813678
8	5458095	6513945	11934466	9.737041	9.813844
9	5459557	6516431	11935823	9.737157	9.814010
10	5461019	6518918	11937181	9.737274	9.814175
11	5462481	6521405	11938539	9.737390	9.814341
12	5463943	6523893	11939899	9.737506	9.814507
13	5465405	6526381	11941258	9.737622	9.814672
14	5466866	6528870	11942619	9.737738	9.814838
15	5468328	6531360	11943980	9.737854	9.815003
16	5469789	6533850	11945342	9.737970	9.815166
17	5471250	6536341	11946705	9.738086	9.815335
18	5472711	6538832	11948068	9.738202	9.815500
19	5474172	6541324	11949432	9.738318	9.815665
20	5475632	6543816	11950796	9.738434	9.815831
21	5477092	6546309	11952162	9.738550	9.815996
22	5478553	6548803	11953527	9.738666	9.816162
23	5480013	6551297	11954894	9.738781	9.816327
24	5481472	6553792	11956261	9.738897	9.816492
25	5482932	6556287	11957629	9.739013	9.816658
26	5484392	6558783	11958998	9.739128	9.816823
27	5485851	6561279	11960367	9.739244	9.816988
28	5487310	6563776	11961737	9.739359	9.817154
29	5488769	6566274	11963108	9.739475	9.817319
30	5490228	6568772	11964479	9.739590	9.817484
31	5491687	6571271	11965851	9.739706	9.817649
32	5493145	6573770	11967224	9.739821	9.817814
33	5494604	6576270	11968597	9.739936	9.817979
34	5496062	6578770	11969971	9.740051	9.818145
35	5497520	6581271	11971346	9.740167	9.818310
36	5498978	6583773	11972722	9.740282	9.818475
37	5500435	6586275	11974098	9.740397	9.818640
38	5501893	6588778	11975475	9.740512	9.818805
39	5503350	6591281	11976852	9.740627	9.818970
40	5504807	6593785	11978229	9.740742	9.819135
41	5506264	6596289	11979609	9.740857	9.819300
42	5507721	6598794	11980988	9.740972	9.819464
43	5509179	6601300	11982369	9.741087	9.819629
44	5510634	6603806	11983750	9.741201	9.819794
45	5512091	6606313	11985131	9.741316	9.819959
46	5513547	6608820	11986513	9.741431	9.820124
47	5515003	6611328	11987896	9.741546	9.820289
48	5516459	6613837	11989280	9.741660	9.820454
49	5517914	6616346	11990664	9.741775	9.820618
50	5519370	6618855	11992049	9.741890	9.820783

M	Sinus.	Tangen.	Secant.	Lo. Sm.	Lo. Tan.
100	8386705	15398649	18360784	9.923591	10.187432
99	8386755	15392767	18369891	9.923541	10.187317
98	8384804	15386888	18370922	9.923493	10.187151
97	8381853	15380012	18371995	9.923443	10.186935
96	8378901	15373139	18373072	9.923394	10.186819
95	8376949	15366270	18374152	9.923345	10.186653
94	8374007	15363403	18375235	9.923296	10.186487
93	8371045	15357540	18376321	9.923246	10.186321
92	8370093	15351680	18377410	9.923197	10.186156
91	8370140	15345823	18378503	9.923147	10.185990
90	8377187	15339969	18379599	9.923098	10.185824
89	8376234	15334118	18380698	9.923049	10.185659
88	8375280	15328270	18381800	9.922999	10.185493
87	8374326	15322426	18382905	9.922950	10.185327
86	8373372	15316584	18384014	9.922900	10.185162
85	8372418	15310746	18385125	9.922851	10.184996
84	8371464	15304911	18386240	9.922801	10.184831
83	8370509	15299079	18387358	9.922752	10.184665
82	8369554	15293250	18388479	9.922702	10.184500
81	8368598	15287424	18389604	9.922653	10.184334
80	8367643	15281602	18390731	9.922603	10.184169
79	8366687	15275782	18391862	9.922553	10.184003
78	8365731	15269965	18392996	9.922504	10.183838
77	8364775	15264152	18394132	9.922454	10.183672
76	8363818	15258342	18395273	9.922404	10.183507
75	8362861	15252535	18396416	9.922355	10.183342
74	8361904	15246730	18397562	9.922305	10.183177
73	8360947	15240929	18398712	9.922255	10.183011
72	8359989	15235132	18399864	9.922206	10.182846
71	8359032	15229337	18401020	9.922156	10.182681
70	8358073	15223545	18402179	9.922106	10.182516
69	8357115	15217756	18403341	9.922056	10.182350
68	8356156	15211971	18404506	9.922006	10.182185
67	8355198	15206188	18405674	9.921957	10.182020
66	8354238	15200408	18406846	9.921907	10.181855
65	8353279	15194632	18408020	9.921857	10.181690
64	8352319	15188859	18409198	9.921807	10.181525
63	8351360	15183088	18410379	9.921757	10.181360
62	8350399	15177321	18411563	9.921707	10.181195
61	8349439	15171557	18412750	9.921657	10.181030
60	8348478	15165796	18413940	9.921607	10.180865
59	8347518	15160038	18415133	9.921557	10.180700
58	8346556	15154282	18416329	9.921507	10.180535
57	8345595	15148531	18417528	9.921457	10.180370
56	8344633	15142782	18418731	9.921407	10.180205
55	8343671	15137036	18419936	9.921357	10.180041
54	8342709	15131293	18421145	9.921307	10.179876
53	8341747	15125553	18422357	9.921257	10.179711
52	8340784	15119816	18423571	9.921207	10.179546
51	8339821	15114083	18424789	9.921157	10.179382
50	8338858	15108352	18426010	9.921106	10.179217

M	Sins.	Lang.	Secant	Lo. Sin.	Lo. Tan.
50	5519370	6616655	11992049	9.741889	9.820783
51	5520825	6621356	11993435	9.742004	9.820947
52	5522280	6623876	11994821	9.742118	9.821112
53	5523735	6626388	11991208	9.742233	9.821277
54	5525190	6628920	11997596	9.742347	9.821441
55	5526645	6631412	11998934	9.742461	9.821606
56	5528099	6633926	12000374	9.742576	9.821770
57	5529553	6636439	12001763	9.742690	9.821935
58	5531008	6638954	12003154	9.742804	9.822099
59	5532461	6641468	12004545	9.742918	9.822264
60	5533915	6643984	12005937	9.743032	9.822428
61	5535369	6646500	12007329	9.743146	9.822593
62	5536822	6649017	12008723	9.743260	9.822757
63	5538276	6651534	12010117	9.743374	9.822922
64	5539729	6654052	12011511	9.743488	9.823086
65	5541182	6656570	12012905	9.743602	9.823250
66	5542635	6659089	12014302	9.743716	9.823415
67	5544087	6661603	12015699	9.743830	9.823579
68	5545540	6664129	12017097	9.743944	9.823743
69	5546992	6666649	12018495	9.744057	9.823907
70	5548444	6669171	12019893	9.744171	9.824072
71	5549896	6671693	12021293	9.744285	9.824236
72	5551348	6674215	12022693	9.744398	9.824400
73	5552799	6676733	12024094	9.744512	9.824564
74	5554251	6679252	12025495	9.744625	9.824728
75	5555702	6681785	12026898	9.744739	9.824892
76	5557153	6684311	12028300	9.744852	9.825056
77	5558604	6686836	12029704	9.744966	9.825221
78	5560055	6689362	12031108	9.745079	9.825385
79	5561506	6691889	12032513	9.745192	9.825549
80	5562956	6694416	12033919	9.745305	9.825713
81	5564406	6696944	12035325	9.745419	9.825876
82	5565856	6699473	12036733	9.745532	9.826040
83	5567306	6702001	12038140	9.745645	9.826204
84	5568756	6704531	12039549	9.745758	9.826368
85	5570206	6707061	12040958	9.745871	9.826532
86	5571655	6709592	12042368	9.745984	9.826696
87	5573104	6712123	12043778	9.746097	9.826860
88	5574553	6714655	12045190	9.746210	9.827024
89	5576002	6717188	12046602	9.746323	9.827187
90	5577451	6719721	12048014	9.746436	9.827351
91	5578900	6722255	12049428	9.746548	9.827515
92	5580348	6724789	12050842	9.746661	9.827678
93	5581796	6727324	12052256	9.746774	9.827842
94	5583244	6729859	12053672	9.746886	9.828006
95	5584692	6732395	12055088	9.746999	9.828169
96	5586140	6734932	12056505	9.747112	9.828333
97	5587587	6737469	12057922	9.747224	9.828497
98	5589035	6740007	12059341	9.747337	9.828660
99	5590482	6742545	12060760	9.747449	9.828824
	5591929	6745085	12062179	9.747561	9.828987

M	Sin.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
70	8338858	15108352	18118010	9.921106	10.179217
69	8337895	15102624	18113234	9.921056	10.179052
68	8336931	15096899	18118461	9.921006	10.178888
67	8335967	15091178	18103691	9.920956	10.178723
66	8335003	15085459	18098924	9.920906	10.178558
65	8334038	15079743	18094161	9.920855	10.178394
64	8333074	15074030	18089400	9.920805	10.178229
63	8332109	15068321	18084642	9.920755	10.178065
62	8331143	15062614	18079888	9.920704	10.177900
61	8330178	15056910	18075136	9.920654	10.177736
60	8329212	15051210	18070388	9.920604	10.177571
59	8328246	15045512	18065642	9.920553	10.177407
58	8327280	15039817	18060890	9.920503	10.177242
57	8326314	15034126	18056161	9.920453	10.177078
56	8325347	15028437	18051424	9.920402	10.176914
55	8324380	15022751	18046691	9.920352	10.176749
54	8323413	15017069	18041961	9.920301	10.176585
53	8322445	15011389	18037233	9.920251	10.176421
52	8321477	15005712	18032509	9.920200	10.176256
51	8320510	15000038	18027788	9.920150	10.176092
50	8319541	14994367	18023070	9.920099	10.175928
49	8318573	14988699	18018355	9.920049	10.175764
48	8317604	14983034	18013643	9.919998	10.175600
47	8316635	14977372	18008933	9.919947	10.175435
46	8315665	14971713	18004227	9.919897	10.175271
45	8314696	14966057	17999524	9.919846	10.175107
44	8313727	14960404	17994824	9.919796	10.174943
43	8312756	14954754	17990127	9.919745	10.174779
42	8311786	14949107	17985433	9.919694	10.174615
41	8310815	14943463	17980742	9.919643	10.174451
40	8309844	14937821	17976054	9.919593	10.174287
39	8308873	14932183	17971369	9.919542	10.174123
38	8307902	14926548	17966687	9.919491	10.173959
37	8306931	14920915	17962007	9.919440	10.173795
36	8305959	14915286	17957331	9.919390	10.173631
35	8304987	14909659	17952658	9.919339	10.173468
34	8304014	14904035	17947988	9.919288	10.173304
33	8303042	14898415	17943321	9.919237	10.173140
32	8302069	14892797	17938656	9.919186	10.172976
31	8301096	14887182	17933995	9.919135	10.172812
30	8300123	14881570	17929337	9.919084	10.172649
29	8299149	14875961	17924681	9.919033	10.172485
28	8298175	14870354	17920029	9.918982	10.172321
27	8297201	14864751	17915380	9.918931	10.172157
26	8296227	14859151	17910733	9.918880	10.171994
25	8295252	14853553	17906090	9.918829	10.171830
24	8294277	14847959	17901449	9.918778	10.171667
23	8293302	14842367	17896811	9.918727	10.171503
22	8292327	14836778	17892177	9.918676	10.171339
21	8291351	14831192	17887545	9.918625	10.171176
20	8290376	14825609	17882916	9.918574	10.171012



M	Sinas.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	5591389	6745085	1206179	9.747561	9.828937
1	5593370	6747625	12063600	9.747674	9.829151
2	5594322	6750165	12065021	9.747786	9.829354
3	5596269	6752706	12066442	9.747898	9.829578
4	5597715	6755247	12067865	9.748011	9.829804
5	5599161	6757789	12069288	9.748123	9.829804
6	5600607	6760332	12070712	9.748235	9.829968
7	5602053	6762875	12072137	9.748347	9.830131
8	5603499	6765419	12073562	9.748459	9.830295
9	5604944	6767964	12074988	9.748571	9.830458
10	5606390	6770509	12076415	9.748683	9.830621
11	5607835	6773054	12077842	9.748795	9.830784
12	5609280	6775601	12079270	9.748907	9.830948
13	5610725	6778148	12080699	9.749019	9.831111
14	5612169	6780695	12082128	9.749131	9.831274
15	5613614	6783243	12083559	9.749242	9.831437
16	5615058	6785792	12084989	9.749354	9.831600
17	5616502	6788341	12086421	9.749466	9.831763
18	5617946	6790891	12087853	9.749577	9.831927
19	5619390	6793442	12089286	9.749689	9.832090
20	5620834	6795993	12090720	9.749801	9.832253
21	5622277	6798545	12092155	9.749912	9.832416
22	5623720	6801097	12093590	9.750024	9.832579
23	5625163	6803650	12095026	9.750135	9.832742
24	5626605	6806203	12096462	9.750246	9.832905
25	5628049	6808757	12097900	9.750358	9.833068
26	5629492	6811312	12099338	9.750469	9.833231
27	5630934	6813868	12100776	9.750580	9.833394
28	5632376	6816424	12102216	9.750691	9.833556
29	5633818	6818980	12103656	9.750803	9.833719
30	5635260	6821537	12105097	9.750914	9.833882
31	5636702	6824095	12106538	9.751025	9.834045
32	5638144	6826653	12107981	9.751136	9.834208
33	5639585	6829213	12109424	9.751247	9.834370
34	5641026	6831772	12110867	9.751358	9.834533
35	5642467	6834332	12112312	9.751469	9.834696
36	5643908	6836893	12113757	9.751580	9.834859
37	5645349	6839455	12115203	9.751691	9.835021
38	5646789	6842017	12116649	9.751802	9.835184
39	5648230	6844579	12118097	9.751912	9.835347
40	5649670	6847143	12119545	9.752023	9.835509
41	5651110	6849707	12120993	9.752134	9.835672
42	5652550	6852271	12122443	9.752244	9.835834
43	5653989	6854836	12123893	9.752355	9.835997
44	5655429	6857402	12125344	9.752465	9.836159
45	5656868	6859968	12126795	9.752576	9.836322
46	5658307	6862535	12128248	9.752686	9.836484
47	5659746	6865103	12129701	9.752797	9.836647
48	5661185	6867671	12131154	9.752907	9.836809
49	5662624	6870240	12132609	9.753018	9.836972
50	5664062	6872809	12134064	9.753128	9.837134

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	8290376	14825609	17882916	9.918574	10.171012
99	8289399	14820029	17878290	9.918523	10.170849
98	8288423	14814452	17873668	9.918472	10.170685
97	8287446	14808878	17869048	9.918421	10.170522
96	8286470	14803306	17864431	9.918369	10.170359
95	8285493	14797738	17859816	9.918318	10.170195
94	8284515	14792172	17855205	9.918267	10.170032
93	8283538	14786609	17850597	9.918216	10.169868
92	8282560	14781049	17845992	9.918164	10.169705
91	8281582	14775492	17841389	9.918113	10.169542
90	8280603	14769938	17836790	9.918062	10.169378
89	8279625	14764387	17832193	9.918010	10.169215
88	8278646	14758838	17827600	9.917959	10.169052
87	8277667	14753293	17823009	9.917908	10.168889
86	8276687	14747750	17818421	9.917856	10.168726
85	8275707	14742210	17813836	9.917805	10.168562
84	8274728	14736673	17809254	9.917754	10.168399
83	8273747	14731139	17804675	9.917702	10.168236
82	8272767	14725607	17800098	9.917651	10.168073
81	8271786	14720079	17795525	9.917599	10.167910
80	8270806	14714553	17790955	9.917548	10.167747
79	8269824	14709030	17786387	9.917496	10.167584
78	8268843	14703510	17781822	9.917445	10.167421
77	8267861	14697993	17777261	9.917393	10.167258
76	8266879	14692479	17772702	9.917341	10.167095
75	8265897	14686967	17768146	9.917290	10.166932
74	8264915	14681458	17763592	9.917238	10.166769
73	8263932	14675952	17759042	9.917187	10.166606
72	8262949	14670449	17754495	9.917135	10.166443
71	8261966	14664949	17749950	9.917083	10.166280
70	8260983	14659452	17745408	9.917032	10.166118
69	8259999	14653957	17740870	9.916980	10.165955
68	8259015	14648465	17736334	9.916928	10.165792
67	8258031	14642976	17731800	9.916876	10.165629
66	8257047	14637490	17727270	9.916824	10.165466
65	8256062	14632007	17722743	9.916773	10.165304
64	8255077	14626526	17718218	9.916721	10.165141
63	8254092	14621048	17713697	9.916669	10.164978
62	8253106	14615573	17709178	9.916617	10.164816
61	8252121	14610101	17704662	9.916565	10.164653
60	8251135	14604631	17700149	9.916513	10.164490
59	8250149	14599165	17695638	9.916462	10.164328
58	8249162	14593701	17691131	9.916410	10.164165
57	8248175	14588240	17686626	9.916358	10.164003
56	8247189	14582782	17682124	9.916306	10.163840
55	8246201	14577326	17677625	9.916254	10.163678
54	8245214	14571873	17673129	9.916202	10.163515
53	8244226	14566423	17668636	9.916150	10.163353
52	8243238	14560976	17664145	9.916098	10.163190
51	8242250	14555532	17659658	9.916046	10.163028
50	8241262	14550090	17655173	9.915994	10.162865

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan
50	5664062	6872809	12134064	9.753128	9.837134
51	5665500	6875379	12135520	9.753238	9.837206
52	5666938	6877950	12136976	9.753348	9.837279
53	5668377	6880521	12138434	9.753459	9.837351
54	5669814	6883092	12139892	9.753569	9.837423
55	5671252	6885666	12141350	9.753679	9.837496
56	5672690	6888239	12142810	9.753784	9.837568
57	5674127	6890813	12144270	9.753899	9.837640
58	5675564	6893387	12145731	9.754009	9.837712
59	5677001	6895962	12147193	9.754119	9.837784
60	5678437	6898538	12148655	9.754229	9.837856
61	5679874	6901114	12150118	9.754339	9.837928
62	5681310	6903691	12151582	9.754449	9.838000
63	5682746	6906268	12153047	9.754559	9.838072
64	5684182	6908846	12154512	9.754669	9.838144
65	5685618	6911425	12155978	9.754779	9.838216
66	5687054	6914004	12157444	9.754889	9.838288
67	5688490	6916584	12158912	9.754999	9.838360
68	5689925	6919165	12160380	9.755109	9.838432
69	5691360	6921746	12161849	9.755219	9.838504
70	5692795	6924328	12163319	9.755329	9.838576
71	5694230	6926911	12164789	9.755439	9.838648
72	5695665	6929494	12166260	9.755549	9.838720
73	5697100	6932077	12167732	9.755659	9.838792
74	5698533	6934662	12169204	9.755769	9.838864
75	5699967	6937247	12170677	9.755879	9.838936
76	5701401	6939832	12172151	9.755989	9.839008
77	5702835	6942418	12173626	9.756099	9.839080
78	5704269	6945005	12175101	9.756209	9.839152
79	5705702	6947593	12176578	9.756309	9.839224
80	5707135	6950181	12178055	9.756419	9.839296
81	5708569	6952770	12179532	9.756529	9.839368
82	5710001	6955359	12181010	9.756639	9.839440
83	5711434	6957949	12182490	9.756749	9.839512
84	5712867	6960540	12183969	9.756859	9.839584
85	5714299	6963131	12185450	9.756969	9.839656
86	5715731	6965723	12186931	9.757079	9.839728
87	5717163	6968315	12188413	9.757189	9.839800
88	5718595	6970908	12189896	9.757299	9.839872
89	5720027	6973502	12191379	9.757409	9.839944
90	5721459	6976096	12192863	9.757509	9.840016
91	5722890	6978691	12194348	9.757619	9.840088
92	5724321	6981287	12195834	9.757729	9.840160
93	5725752	6983883	12197320	9.757839	9.840232
94	5727183	6986480	12198808	9.757949	9.840304
95	5728613	6989078	12200295	9.758049	9.840376
96	5730044	6991676	12201784	9.758159	9.840448
97	5731474	6994275	12203273	9.758269	9.840520
98	5732904	6996874	12204763	9.758379	9.840592
99	5734334	6999473	12206254	9.758489	9.840664
—	5735764	7002073	12207746	9.758599	9.840736

M	Sinus	Tangens	Secant,	Lo. Sin	Lo. Tan.
30	8241262	14550020	17655173	9.915994	10.162865
40	8240273	14544651	17650691	9.915941	10.162703
48	8239284	14539215	17646111	9.915889	10.162541
47	8238295	14533782	17641735	9.915837	10.162378
46	8237305	14528351	17637201	9.915785	10.162216
45	8236316	14522923	17632790	9.915733	10.162054
44	8235326	14517498	17628322	9.915681	10.161892
43	8234336	14512076	17623857	9.915628	10.161729
42	8233345	14506656	17619395	9.915576	10.161567
41	8232354	14501239	17614935	9.915524	10.161405
40	8231363	14495825	17610478	9.915472	10.161243
39	8230372	14490414	17606024	9.915419	10.161081
38	8229381	14485005	17601573	9.915367	10.160918
37	8228389	14479599	17597124	9.915315	10.160756
36	8227397	14474196	17592679	9.915262	10.160594
35	8226405	14468795	17588236	9.915211	10.160432
34	8225413	14463398	17583796	9.915157	10.160270
33	8224420	14458003	17579358	9.915105	10.160108
32	8223427	14452610	17574924	9.915053	10.159946
31	8222434	14447221	17570492	9.915000	10.159784
30	8221440	14441834	17566063	9.914948	10.159622
29	8220447	14436450	17561637	9.914895	10.159460
28	8219453	14431068	17557213	9.914843	10.159298
27	8218458	14425690	17552792	9.914790	10.159136
26	8217464	14420314	17548374	9.914738	10.158975
25	8216469	14414941	17543959	9.914685	10.158813
24	8215474	14409570	17539547	9.914632	10.158651
23	8214479	14404202	17535137	9.914580	10.158489
22	8213484	14398837	17530730	9.914527	10.158327
21	8212488	14393474	17526326	9.914475	10.158165
20	8211492	14388114	17521924	9.914423	10.158004
19	8210496	14382757	17517525	9.914369	10.157842
18	8209499	14377403	17513129	9.914316	10.157680
17	8208503	14372051	17508736	9.914264	10.157519
16	8207506	14366702	17504346	9.914211	10.157357
15	8206508	14361355	17499958	9.914158	10.157195
14	8205511	14356012	17495573	9.914105	10.157034
13	8204513	14350671	17491191	9.914053	10.156872
12	8203515	14345332	17486811	9.914000	10.156710
11	8202517	14339997	17482434	9.913947	10.156549
10	8201519	14334664	17478060	9.913894	10.156387
9	8200520	14329333	17473689	9.913841	10.156226
8	8199521	14324006	17469320	9.913788	10.156064
7	8198522	14318681	17464954	9.913735	10.155903
6	8197522	14313358	17460591	9.913682	10.155741
5	8196523	14308039	17456230	9.913629	10.155580
4	8195523	14302722	17451872	9.913576	10.155418
3	8194522	14297407	17447517	9.913523	10.155257
2	8193522	14292095	17443165	9.913470	10.155096
1	8192521	14286786	17438815	9.913417	10.154934
0	8191520	14281480	17434468	9.913364	10.154773

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	5735754	7002275	12207746	9.758501	9.845227
1	5737194	7004677	12209238	9.758609	9.845388
2	5738621	7007279	12210731	9.758808	9.845549
3	5740052	7009881	12212225	9.758916	9.845710
4	5741482	7012484	12213719	9.759024	9.845872
5	5742910	7015088	12215214	9.759132	9.846033
6	5744339	7017693	12216710	9.759240	9.846194
7	5745768	7020298	12218207	9.759348	9.846355
8	5747196	7022904	12219704	9.759456	9.846517
9	5748624	7025510	12221203	9.759564	9.846678
10	5740052	7028118	12222702	9.759672	9.846839
11	5751480	7030725	12224201	9.759779	9.847000
12	5752908	7033334	12225702	9.759887	9.847161
13	5754335	7035943	12227203	9.759995	9.847322
14	5755763	7038552	12228705	9.760103	9.847483
15	5757190	7041163	12230207	9.760210	9.847644
16	5758617	7043774	12231711	9.760318	9.847805
17	5760044	7046385	12233215	9.760426	9.847966
18	5761470	7048997	12234720	9.760533	9.848127
19	5762897	7051610	12236225	9.760641	9.848288
20	5764323	7054224	12237731	9.760748	9.848449
21	5765749	7056838	12239239	9.760856	9.848610
22	5767175	7059453	12240746	9.760963	9.848771
23	5768601	7062068	12242255	9.761070	9.848932
24	5770026	7064684	12243764	9.761178	9.849093
25	5771452	7067301	12245274	9.761285	9.849253
26	5772877	7069918	12246785	9.761392	9.849414
27	5774302	7072536	12248297	9.761499	9.849575
28	5775727	7075155	12249809	9.761606	9.849736
29	5777151	7077774	12251322	9.761714	9.849897
30	5778576	7070394	12252836	9.761821	9.850057
31	5780000	7083015	12254350	9.761928	9.850218
32	5781425	7085636	12255866	9.762035	9.850379
33	5782849	7088258	12257382	9.762142	9.850539
34	5784272	7090881	12258898	9.762249	9.850700
35	5785696	7093504	12260416	9.762355	9.850861
36	5787119	7096128	12261934	9.762462	9.851021
37	5788543	7098752	12263453	9.762569	9.851182
38	5789966	7101378	12264973	9.762676	9.851342
39	5791389	7104003	12266493	9.762783	9.851503
40	5792812	7106630	12268015	9.762889	9.851664
41	5794234	7109257	12269537	9.762996	9.851824
42	5795657	7111885	12271060	9.763102	9.851985
43	5797079	7114513	12272583	9.763209	9.852145
44	5798501	7117142	12274107	9.763316	9.852305
45	5799923	7119772	12275632	9.763422	9.852466
46	5801344	7122402	12277158	9.763528	9.852626
47	5802766	7125033	12278685	9.763635	9.852787
48	5804187	7127665	12280212	9.763741	9.852947
49	5805608	7130297	12281740	9.763848	9.853107
50	5807029	7132930	12283269	9.763954	9.853268

Lat.	Dist.	Tangen.	Secant.	Lat. Sin.	Lat. Tan.
100	8191539	14281480	17434468	9.913364	10.154773
99	8190519	14276176	17430123	9.9.3311	10.154612
98	8189518	14270875	17425782	9.9.3258	10.154450
97	8188516	14265176	17421443	9.9.3205	10.154289
96	8187514	14260081	17417107	9.9.3152	10.154123
95	8186512	14254987	17412773	9.9.3100	10.153967
94	8185509	14249697	17408442	9.9.3046	10.153805
93	8184507	14244409	17404114	9.9.2992	10.153644
92	8183504	14239123	17399788	9.9.2939	10.153483
91	8182500	14233841	17395465	9.9.2886	10.153322
90	8181497	14228561	17391145	9.9.2833	10.153161
89	8180493	14223283	17386828	9.9.2779	10.153000
88	8179489	14218008	17382513	9.9.2725	10.152839
87	8178485	14212736	17378201	9.9.2672	10.152677
86	8177481	14207466	17373891	9.9.2619	10.152516
85	8176476	14202199	17369585	9.9.2566	10.152355
84	8175471	14196935	17365280	9.9.2513	10.152194
83	8174466	14191673	17360979	9.9.2459	10.152033
82	8173460	14186414	17356680	9.9.2406	10.151872
81	8172455	14181157	17352384	9.9.2352	10.151711
80	8171449	14175903	17348090	9.9.2299	10.151551
79	8170443	14170652	17343799	9.9.2245	10.151390
78	8169436	14165403	17339514	9.9.2192	10.151229
77	8168429	14160157	17335226	9.9.2138	10.151068
76	8167423	14154914	17330943	9.9.2085	10.150907
75	8166415	14149673	17326662	9.9.2031	10.150746
74	8165408	14144434	17322385	9.9.1978	10.150585
73	8164400	14139198	17318110	9.9.1924	10.150425
72	8163392	14133965	17313837	9.9.1870	10.150264
71	8162384	14128734	17309568	9.9.1817	10.150103
70	8161376	14123506	17305301	9.9.1763	10.149942
69	8160367	14118281	17301036	9.9.1710	10.149782
68	8159358	14113058	17296774	9.9.1656	10.149621
67	8158349	14107837	17292515	9.9.1602	10.149460
66	8157340	14102620	17288258	9.9.1548	10.149300
65	8156330	14097404	17284004	9.9.1495	10.149139
64	8155320	14092192	17279753	9.9.1441	10.148978
63	8154310	14086982	17275504	9.9.1387	10.148818
62	8153300	14081774	17271258	9.9.1333	10.148657
61	8152289	14076569	17267015	9.9.1279	10.148497
60	8151278	14071367	17262774	9.9.1225	10.148336
59	8150267	14066167	17258536	9.9.1172	10.148176
58	8149255	14060970	17254300	9.9.1118	10.148015
57	8148244	14055775	17250067	9.9.1064	10.147855
56	8147232	14050583	17245836	9.9.1010	10.147694
55	8146219	14045393	17241608	9.9.1056	10.147534
54	8145207	14040206	17237383	9.9.1002	10.147373
53	8144194	14035021	17233160	9.9.948	10.147213
52	8143182	14029839	17228940	9.9.10734	10.147053
51	8142168	14024660	17224723	9.9.910740	10.146892
50	8141155	14019483	17220508	9.9.90086	10.146732

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	5877029	7132930	12283269	9.763954	9.853268
51	5880450	7135564	12284798	9.764060	9.853428
52	58809871	7138198	12286329	9.764166	9.853588
53	5881291	7140833	12287860	9.764273	9.853749
54	58812712	7143469	12289392	9.764379	9.853909
55	58814132	7146105	12290924	9.764485	9.854069
56	58815552	7148742	12292458	9.764591	9.854229
57	58816972	7151380	12293991	9.764697	9.854390
58	58818391	7154018	12295527	9.764803	9.854550
59	58819810	7156657	12297062	9.764909	9.854710
60	58821230	7159297	12298593	9.765015	9.854870
61	58822846	7161937	12300136	9.765120	9.855030
62	58824067	7164578	12301674	9.765226	9.855190
63	58825486	7167219	12303212	9.765332	9.855351
64	58826905	7169862	12304752	9.765438	9.855511
65	58828323	7172504	12306292	9.765543	9.855671
66	58829741	7175148	12307833	9.765649	9.855831
67	58831159	7177792	12309374	9.765755	9.855991
68	58832577	7180437	12310917	9.765860	9.856151
69	58833994	7183083	12312460	9.765966	9.856311
70	58835412	7185727	12314004	9.766071	9.856471
71	58836829	7188376	12315549	9.766177	9.856631
72	58838246	7191023	12317094	9.766282	9.856790
73	58839663	7193671	12318641	9.766388	9.856950
74	58841080	7196320	12320188	9.766493	9.857110
75	58842496	7198970	12321735	9.766598	9.857270
76	58843913	7201620	12323284	9.766704	9.857430
77	58845329	7204271	12324833	9.766809	9.857590
78	58846745	7206922	12326383	9.766914	9.857750
79	58848161	7209574	12327934	9.767019	9.857909
80	58849576	7212227	12329486	9.767124	9.858069
81	58850992	7214881	12331038	9.767229	9.858229
82	58852407	7217535	12332591	9.767334	9.858389
83	58853822	7220190	12334145	9.767439	9.858548
84	58855237	7222845	12335700	9.767544	9.858708
85	58856652	7225502	12337255	9.767649	9.858868
86	58858067	7228158	12338812	9.767754	9.859027
87	58859481	7230816	12340369	9.767859	9.859187
88	58860895	7233474	12341926	9.767964	9.859347
89	58862309	7236132	12343485	9.768069	9.859506
90	58863723	7238792	12345044	9.768173	9.859666
91	58865137	7241453	12346604	9.768278	9.859826
92	58866551	7244114	12348165	9.768383	9.859985
93	58867964	7246775	12349727	9.768487	9.860145
94	58869377	7249437	12351289	9.768592	9.860304
95	58870790	7252100	12352852	9.768696	9.860464
96	58872203	7254764	12354416	9.768801	9.860623
97	58873616	7257428	12355981	9.768905	9.860783
98	58875028	7260093	12357546	9.769010	9.860942
99	58876440	7262759	12359113	9.769114	9.861101
	58877852	7265425	12360680	9.769218	9.861261



N.	Sin.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
40	8141145	14019483	17120508	9.910686	10.146732
49	8140141	14014308	17116296	9.910632	10.146571
48	8139137	14009136	17112086	9.910578	10.146411
47	8138133	14003967	17107879	9.910524	10.146251
46	8137099	13998800	17103674	9.910469	10.146091
45	8136084	13993636	17199472	9.910415	10.145931
44	8135069	13988474	17195273	9.910361	10.145770
43	8134054	13983315	17191076	9.910307	10.145610
42	8133039	13978158	17186882	9.910253	10.145450
41	8132023	13973004	17182690	9.910198	10.145290
40	8131007	13967852	17178501	9.910144	10.145129
39	8129991	13962703	17174314	9.910090	10.144969
38	8128975	13957556	17170130	9.910036	10.144809
37	8127958	13952412	17165949	9.909981	10.144649
36	8126941	13947270	17161770	9.909927	10.144489
35	8125924	13942131	17157593	9.909873	10.144329
34	8124907	13936994	17153420	9.909818	10.144169
33	8123889	13931860	17149248	9.909764	10.144009
32	8122872	13926728	17145080	9.909709	10.143849
31	8121855	13921599	17140914	9.909655	10.143689
30	8120838	13916472	17136750	9.909601	10.143529
29	8119816	13911348	17132589	9.909546	10.143369
28	8118798	13906226	17128431	9.909492	10.143209
27	8117778	13901107	17124275	9.909437	10.143049
26	8116759	13895990	17120121	9.909382	10.142889
25	8115740	13890876	17115970	9.909328	10.142729
24	8114720	13885764	17111822	9.909273	10.142570
23	8113700	13880655	17107676	9.909219	10.142410
22	8112679	13875548	17103533	9.909164	10.142250
21	8111659	13870444	17099392	9.909109	10.142090
20	8110638	13865342	17095254	9.909055	10.141930
19	8109617	13860242	17091118	9.909000	10.141771
18	8108595	13855145	17086985	9.908945	10.141611
17	8107574	13850051	17082854	9.908891	10.141451
16	8106552	13844959	17078726	9.908836	10.141291
15	8105530	13839869	17074600	9.908781	10.141132
14	8104508	13834782	17070477	9.908726	10.140972
13	8103485	13829697	17066357	9.908672	10.140812
12	8102463	13824615	17062238	9.908617	10.140653
11	8101439	13819535	17058123	9.908562	10.140493
10	8100416	13814455	17054010	9.908507	10.140334
9	8099393	13809383	17049899	9.908452	10.140174
8	8098369	13804311	17045791	9.908397	10.140015
7	8097345	13799241	17041685	9.908342	10.139855
6	8096321	13794173	17037582	9.908288	10.139695
5	8095296	13789108	17033482	9.908233	10.139536
4	8094271	13784045	17029384	9.908178	10.139376
3	8093246	13778985	17025288	9.908123	10.139217
2	8092221	13773927	17021195	9.908068	10.139058
1	8091195	13768872	17017104	9.908013	10.138898
0	8090170	13763819	17013006	9.907957	10.138739

	M	Sinns.	Tang.	Secant.	Le. Sin.	Le. Tan.
0	5877452	7265425	12360000	9.709118	9.861381	
1	5877264	7268032	12362247	9.709322	9.861420	
2	5880076	7270760	12363816	9.709427	9.861500	
3	5882288	7273428	12365385	9.709531	9.861739	
4	5884499	7276037	12366955	9.709635	9.861838	
5	5884712	7278677	12368516	9.709740	9.862018	
6	5886921	7281437	12370098	9.709844	9.862217	
7	5887732	7284108	12371670	9.709948	9.862376	
8	5889143	7286780	12373244	9.710052	9.862535	
9	5890553	7289452	12374818	9.710156	9.862695	
10	589103	7292125	12376392	9.710260	9.862854	
11	5893373	7294799	12377966	9.710364	9.863013	
12	5894783	7297473	12379544	9.710468	9.863172	
13	5896193	7300147	12381121	9.710572	9.863322	
14	5897603	7302824	12382699	9.710675	9.863491	
15	5899012	7305501	12384278	9.710779	9.863650	
16	5900421	7308178	12385857	9.710883	9.863809	
17	5901830	7310856	12387438	9.710987	9.863968	
18	5903239	7313534	12389019	9.711090	9.864127	
19	5904648	7316214	12390600	9.711194	9.864286	
20	5906056	7318893	12392182	9.711297	9.864445	
21	5907465	7321574	12393766	9.711401	9.864604	
22	5908873	7324255	12395350	9.711504	9.864763	
23	5910281	7326937	12396935	9.711608	9.864922	
24	5911689	7329620	12398521	9.711711	9.865081	
25	5913096	7332303	12400108	9.711815	9.865240	
26	5914504	7334987	12401695	9.711918	9.865399	
27	5915911	7337672	12403283	9.712021	9.865558	
28	5917318	7340357	12404872	9.712125	9.865717	
29	5918725	7343043	12406461	9.712228	9.865876	
30	5920132	7345730	12408052	9.712331	9.866035	
31	5921538	7348418	12409643	9.712434	9.866194	
32	5922944	7351106	12411235	9.712537	9.866352	
33	5924351	7353794	12412828	9.712641	9.866511	
34	5925757	7356484	12414421	9.712744	9.866670	
35	5927162	7359174	12416016	9.712847	9.866829	
36	5928568	7361865	12417611	9.712950	9.866988	
37	5929973	7364557	12419207	9.713053	9.867146	
38	5931379	7367249	12420803	9.713155	9.867305	
39	5932784	7369942	12422401	9.713258	9.867464	
40	5934189	7372636	12424000	9.713361	9.867623	
41	5935593	7375330	12425598	9.713464	9.867781	
42	5936998	7378025	12427198	9.713567	9.867940	
43	5948402	7380721	12428799	9.713669	9.868099	
44	5939806	7383417	12430400	9.713772	9.868257	
45	5941210	7386114	12432002	9.713875	9.868416	
46	5942614	7388811	12433605	9.713977	9.868574	
47	5944018	7391511	12435209	9.714080	9.868733	
48	5945421	7394210	12436814	9.714182	9.868892	
49	5946825	7396910	12438419	9.714285	9.869050	
50	5948228	7399611	12440025	9.714387	9.869209	

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	8690170	13763819	17013016	9.907957	10.138739
99	8689144	13758768	17008930	9.9079302	10.138759
98	8688117	13753720	17004847	9.9079047	10.138780
97	8687091	13748675	17000766	9.9078792	10.138801
96	8686064	13743631	16996688	9.9078537	10.138822
95	8685037	13738591	16992612	9.9078282	10.138843
94	8684010	13733552	16988539	9.9078027	10.138864
93	8682983	13728516	16984468	9.9077771	10.138885
92	8681955	13723483	16980400	9.9077516	10.138906
91	8680927	13718451	16976334	9.9077261	10.138927
90	8679899	13713423	16972270	9.9077006	10.138948
89	8678870	13708396	16968209	9.9076750	10.138969
88	8677841	13703372	16964151	9.9076495	10.138990
87	8676813	13698351	16960095	9.9076240	10.139011
86	8675783	13693332	16956041	9.9075984	10.139032
85	8674754	13688315	16951990	9.9075729	10.139053
84	8673724	13683301	16947941	9.9075474	10.139074
83	8672694	13678289	16943895	9.9075218	10.139095
82	8671664	13673279	16939851	9.9074963	10.139116
81	8670634	13668272	16935810	9.9074707	10.139137
80	8669603	13663267	16931771	9.9074452	10.139158
79	8668572	13658265	16927734	9.9074196	10.139179
78	8667541	13653265	16923700	9.9073941	10.139200
77	8666510	13648267	16919669	9.9073685	10.139221
76	8665478	13643272	16915640	9.9073429	10.139242
75	8664446	13638279	16911613	9.9073174	10.139263
74	8663414	13633288	16907589	9.9072919	10.139284
73	8662381	13628290	16903567	9.9072663	10.139305
72	8661349	13623295	16899547	9.9072408	10.139326
71	8660316	13618301	16895529	9.9072152	10.139347
70	8659283	13613309	16891516	9.9071896	10.139368
69	8658249	13608322	16887503	9.9071641	10.139389
68	8657216	13603335	16883494	9.9071385	10.139410
67	8656182	13598342	16879486	9.9071129	10.139431
66	8655148	13593350	16875481	9.9070873	10.139452
65	8654112	13588361	16871479	9.9070618	10.139473
64	8653079	13583374	16867479	9.9070362	10.139494
63	8652044	13578389	16863481	9.9070106	10.139515
62	8651009	13573405	16859486	9.9069850	10.139536
61	8649973	13568427	16855493	9.9069594	10.139557
60	8648938	13563450	16851503	9.9069338	10.139578
59	8647903	13558475	16847514	9.9069082	10.139599
58	8646866	13553502	16843529	9.9068827	10.139620
57	8645830	13548531	16839546	9.9068571	10.139641
56	8644793	13543564	16835565	9.9068315	10.139662
55	8643756	13538598	16831586	9.9068059	10.139683
54	8642719	13533634	16827610	9.9067803	10.139704
53	8641682	13528673	16823636	9.9067547	10.139725
52	8640644	13523715	16819665	9.9067291	10.139746
51	8639606	13518759	16815696	9.9067035	10.139767
50	8638568	13513804	16811730	9.9066779	10.139788

M	S. nris.	Tang.	Secant.	Lo. Sin.	Lo. Tan
50	5948228	7399611	12440025	9.774387	9.869209
51	5947631	7402312	12441632	9.774490	9.869367
52	5951033	7405014	12443240	9.774592	9.869526
53	5952436	7407717	12444849	9.774695	9.869684
54	5953838	7410420	12446458	9.774797	9.869843
55	5955240	7413124	12448068	9.774899	9.870001
56	5956642	7415829	12449679	9.775001	9.870160
57	5958044	7418534	12451291	9.775104	9.870318
58	5959446	7421241	12452904	9.775206	9.870476
59	5960847	7423948	12454517	9.775308	9.870635
60	5962249	7426655	12456131	9.775410	9.870793
61	5963650	7429364	12457746	9.775512	9.870951
62	5965051	7432073	12459362	9.775614	9.871110
63	5966451	7434782	12460979	9.775716	9.871268
64	5967852	7437493	12462596	9.775818	9.871426
65	5969252	7440204	12464214	9.775920	9.871585
66	5970652	7442916	12465833	9.776022	9.871743
67	5972052	7445628	12467453	9.776123	9.871901
68	5973452	7448341	12469073	9.776225	9.872059
69	5974852	7451055	12470693	9.776327	9.872218
70	5976251	7453770	12472317	9.776429	9.872376
71	5977651	7456485	12473940	9.776530	9.872534
72	5979050	7459202	12475564	9.776632	9.872692
73	5980449	7461918	12477188	9.776734	9.872850
74	5981847	7464636	12478813	9.776835	9.873008
75	5983246	7467354	12480440	9.776937	9.873167
76	5984644	7470073	12482067	9.777038	9.873325
77	5986042	7472792	12483694	9.777140	9.873483
78	5987440	7475513	12485323	9.777241	9.873641
79	5988838	7478234	12486952	9.777342	9.873799
80	5990236	7480956	12488583	9.777444	9.873957
81	5991633	7483678	12490214	9.777545	9.874115
82	5993030	7486401	12491845	9.777646	9.874273
83	5994428	7489125	12493478	9.777748	9.874431
84	5995824	7491850	12495111	9.777849	9.874589
85	5997221	7494575	12496746	9.777950	9.874747
86	5998618	7497301	12498381	9.778051	9.874905
87	6000014	7500028	12500017	9.778152	9.875063
88	6001410	7502755	12501653	9.778253	9.875221
89	6002806	7505483	12503291	9.778354	9.875378
90	6004202	7508212	12504929	9.778455	9.875536
91	6005598	7510942	12506568	9.778556	9.875694
92	6006993	7513672	12508208	9.778657	9.875852
93	6008388	7516403	12509849	9.778758	9.876010
94	6009783	7519135	12511490	9.778859	9.876168
95	6011178	7521867	12513133	9.778959	9.876325
96	6012573	7524600	12514776	9.779060	9.876481
97	6013968	7527334	12516420	9.779161	9.876643
98	6015362	7530069	12518064	9.779262	9.876799
99	6016756	7532804	12519710	9.779362	9.876956
	6018150	7535540	12521356	9.779463	9.877114

M	Sinus	Tangens	Secant.	Lo. Sin.	Lo. Tan.
50	8028568	13514224	16811730	9.905179	10.130791
49	8037530	13502892	16807764	9.905122	10.130632
48	8036492	13504363	16803804	9.905066	10.130474
47	8035453	13499436	16799844	9.905010	10.130315
46	8034414	13494511	16795887	9.904954	10.130157
45	8033375	13489589	16791933	9.904898	10.129999
44	8032335	13484669	16787980	9.904842	10.129840
43	8031295	13479750	16784031	9.904785	10.129682
42	8030255	13474835	16780083	9.904729	10.129523
41	8029215	13469922	16776138	9.904673	10.129365
40	8028175	13465011	16772195	9.904617	10.129207
39	8027134	13460103	16768255	9.904560	10.129048
38	8026093	13455196	16764317	9.904504	10.128895
37	8025052	13450292	16760381	9.904448	10.128730
36	8024010	13445391	16756447	9.904391	10.128572
35	8022968	13440491	16752516	9.904335	10.128415
34	8021926	13435594	16748588	9.904278	10.128257
33	8020884	13430700	16744662	9.904222	10.128098
32	8019842	13425807	16740738	9.904166	10.127940
31	8018799	13420917	16736816	9.904109	10.127782
30	8017756	13416029	16732897	9.904053	10.127624
29	8016713	13411144	16728980	9.903996	10.127466
28	8015670	13406260	16725065	9.903940	10.127307
27	8014626	13401379	16721153	9.903883	10.127149
26	8013582	13396490	16717243	9.903827	10.126991
25	8012538	13391624	16713336	9.903770	10.126833
24	8011494	13386750	16709430	9.903713	10.126675
23	8010449	13381876	16705528	9.903657	10.126517
22	8009404	13377008	16701627	9.903600	10.126359
21	8008359	13372141	16697729	9.903543	10.126201
20	8007314	13367270	16693833	9.903487	10.126043
19	8006268	13362413	16689939	9.903430	10.125885
18	8005222	13357552	16686048	9.903373	10.125727
17	8004176	13352694	16682159	9.903316	10.125569
16	8003130	13347838	16678273	9.903260	10.125411
15	8002083	13342984	16674388	9.903203	10.125253
14	8001036	13338133	16670506	9.903146	10.125095
13	7999989	13333284	16666627	9.903089	10.124937
12	7998942	13328437	16662749	9.903032	10.124779
11	7997894	13323592	16658874	9.902975	10.124620
10	7996846	13318749	16655002	9.902919	10.124463
9	7995798	13313909	16651131	9.902862	10.124305
8	7994750	13309071	16647263	9.902805	10.124148
7	7993701	13304235	16643397	9.902748	10.123990
6	7992653	13299402	16639534	9.902691	10.123832
5	7991604	13294571	16635673	9.902634	10.123674
4	7990554	13289742	16631814	9.902577	10.123516
3	7989505	13284915	16627957	9.902520	10.123359
2	7988455	13280090	16624103	9.902463	10.123201
1	7987405	13275268	16620251	9.902406	10.123043
0	7986355	13270448	16616401	9.902348	10.122885

M	Sins.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	6018140	7535540	12521356	9.779663	9.877114
1	6019544	7538277	12523004	9.779663	9.877127
2	6020937	7541515	12524652	9.779664	9.877140
3	6022331	7544753	12526300	9.779664	9.877157
4	6023724	7548022	12527950	9.779665	9.877174
5	6025117	7549211	12529601	9.779665	9.877190
6	6026510	7551972	12531252	9.780066	9.878066
7	6027903	7554713	12532904	9.780166	9.878118
8	6029295	7557455	12534557	9.780266	9.878175
9	6030688	7560197	12536211	9.780367	9.878233
10	6032080	7562940	12537865	9.780467	9.878290
11	6033472	7565684	12539521	9.780567	9.878348
12	6034865	7568429	12541177	9.780667	9.878406
13	6036257	7571174	12542834	9.780767	9.878463
14	6037649	7573921	12544492	9.780867	9.878521
15	6039042	7576668	12546150	9.780968	9.878578
16	6040434	7579415	12547810	9.781068	9.878636
17	6041819	7582164	12549470	9.781168	9.878693
18	6043210	7584913	12551131	9.781268	9.878750
19	6044601	7587662	12552793	9.781367	9.878808
20	6045991	7590413	12554456	9.781467	9.878865
21	6047381	7593164	12556120	9.781567	9.878923
22	6048771	7595916	12557784	9.781667	9.878980
23	6050161	7598669	12559449	9.781767	9.879037
24	6051550	7601422	12561114	9.781866	9.879095
25	6052940	7604176	12562782	9.781966	9.879152
26	6054329	7606931	12564450	9.782066	9.879209
27	6055718	7609687	12566119	9.782165	9.879267
28	6057107	7612443	12567788	9.782265	9.879324
29	6058495	7615201	12569458	9.782365	9.879381
30	6059884	7617958	12571129	9.782464	9.879438
31	6061272	7620717	12572801	9.782564	9.879496
32	6062660	7623476	12574474	9.782663	9.879553
33	6064048	7626236	12576147	9.782763	9.879610
34	6065436	7628997	12577821	9.782862	9.879667
35	6066823	7631759	12579497	9.782961	9.879724
36	6068211	7634521	12581173	9.783060	9.879782
37	6069598	7637284	12582849	9.783160	9.879839
38	6070985	7640047	12584527	9.783259	9.879896
39	6072372	7642812	12586206	9.783358	9.879953
40	6073758	7645577	12587885	9.783457	9.880010
41	6075145	7648343	12589565	9.783556	9.880067
42	6076531	7651110	12591246	9.783656	9.880124
43	6077917	7653877	12592928	9.783755	9.880181
44	6079303	7656645	12594611	9.783854	9.880238
45	6080688	7659414	12596294	9.783953	9.880295
46	6082074	7662184	12597978	9.784052	9.880352
47	6083459	7664954	12599663	9.784150	9.880409
48	6084844	7667725	12601349	9.784249	9.880466
49	6086229	7670497	12603036	9.784348	9.880523
50	6087614	7673270	12604724	9.784447	9.880580

M.	Lat.	Tangen.	Secant.	Lo. Sig.	Lo. Tan.
99	7981155	13270448	16616401	9.901348	10.123045
99	7981304	13264630	16613154	9.9013231	10.123715
99	7981454	13258811	16608709	9.9012974	10.124370
99	7981603	13252991	16604266	9.9012717	10.125024
99	7981751	13247170	16600823	9.9012460	10.125679
99	7981900	13241351	16597380	9.9012203	10.126333
99	7982048	13235531	16593937	9.9011946	10.126988
99	7982196	13229711	16590494	9.9011689	10.127643
99	7982344	13223891	16587051	9.9011432	10.128298
99	7982492	13218071	16583608	9.9011175	10.128953
99	7982640	13212251	16580165	9.9010918	10.129608
99	7982788	13206431	16576722	9.9010661	10.130263
99	7982936	13200611	16573279	9.9010404	10.130918
99	7983084	13194791	16569836	9.9010147	10.131573
99	7983232	13188971	16566393	9.9009890	10.132228
99	7983380	13183151	16562950	9.9009633	10.132883
99	7983528	13177331	16559507	9.9009376	10.133538
99	7983676	13171511	16556064	9.9009119	10.134193
99	7983824	13165691	16552621	9.9008862	10.134848
99	7983972	13159871	16549178	9.9008605	10.135503
99	7984120	13154051	16545735	9.9008348	10.136158
99	7984268	13148231	16542292	9.9008091	10.136813
99	7984416	13142411	16538849	9.9007834	10.137468
99	7984564	13136591	16535406	9.9007577	10.138123
99	7984712	13130771	16531963	9.9007320	10.138778
99	7984860	13124951	16528520	9.9007063	10.139433
99	7985008	13119131	16525077	9.9006806	10.140088
99	7985156	13113311	16521634	9.9006549	10.140743
99	7985304	13107491	16518191	9.9006292	10.141398
99	7985452	13101671	16514748	9.9006035	10.142053
99	7985600	13095851	16511305	9.9005778	10.142708
99	7985748	13090031	16507862	9.9005521	10.143363
99	7985896	13084211	16504419	9.9005264	10.144018
99	7986044	13078391	16500976	9.9005007	10.144673
99	7986192	13072571	16497533	9.9004750	10.145328
99	7986340	13066751	16494090	9.9004493	10.145983
99	7986488	13060931	16490647	9.9004236	10.146638
99	7986636	13055111	16487204	9.9003979	10.147293
99	7986784	13049291	16483761	9.9003722	10.147948
99	7986932	13043471	16480318	9.9003465	10.148603
99	7987080	13037651	16476875	9.9003208	10.149258
99	7987228	13031831	16473432	9.9002951	10.149913
99	7987376	13026011	16470000	9.9002694	10.150568
99	7987524	13020191	16466557	9.9002437	10.151223
99	7987672	13014371	16463114	9.9002180	10.151878
99	7987820	13008551	16459671	9.9001923	10.152533
99	7987968	13002731	16456228	9.9001666	10.153188
99	7988116	12996911	16452785	9.9001409	10.153843
99	7988264	12991091	16449342	9.9001152	10.154498
99	7988412	12985271	16445899	9.9000895	10.155153
99	7988560	12979451	16442456	9.9000638	10.155808
99	7988708	12973631	16439013	9.9000381	10.156463
99	7988856	12967811	16435570	9.9000124	10.157118
99	7989004	12961991	16432127	9.9000000	10.157773
99	7989152	12956171	16428684	9.9000000	10.158428
99	7989300	12950351	16425241	9.9000000	10.159083
99	7989448	12944531	16421798	9.9000000	10.159738
99	7989596	12938711	16418355	9.9000000	10.160393
99	7989744	12932891	16414912	9.9000000	10.161048
99	7989892	12927071	16411469	9.9000000	10.161703
99	7990040	12921251	16408026	9.9000000	10.162358
99	7990188	12915431	16404583	9.9000000	10.163013
99	7990336	12909611	16401140	9.9000000	10.163668
99	7990484	12903791	16397697	9.9000000	10.164323
99	7990632	12897971	16394254	9.9000000	10.164978
99	7990780	12892151	16390811	9.9000000	10.165633
99	7990928	12886331	16387368	9.9000000	10.166288
99	7991076	12880511	16383925	9.9000000	10.166943
99	7991224	12874691	16380482	9.9000000	10.167598
99	7991372	12868871	16377039	9.9000000	10.168253
99	7991520	12863051	16373596	9.9000000	10.168908
99	7991668	12857231	16370153	9.9000000	10.169563
99	7991816	12851411	16366710	9.9000000	10.170218
99	7991964	12845591	16363267	9.9000000	10.170873
99	7992112	12839771	16359824	9.9000000	10.171528
99	7992260	12833951	16356381	9.9000000	10.172183
99	7992408	12828131	16352938	9.9000000	10.172838
99	7992556	12822311	16349495	9.9000000	10.173493
99	7992704	12816491	16346052	9.9000000	10.174148
99	7992852	12810671	16342609	9.9000000	10.174803
99	7993000	12804851	16339166	9.9000000	10.175458
99	7993148	12799031	16335723	9.9000000	10.176113
99	7993296	12793211	16332280	9.9000000	10.176768
99	7993444	12787391	16328837	9.9000000	10.177423
99	7993592	12781571	16325394	9.9000000	10.178078
99	7993740	12775751	16321951	9.9000000	10.178733
99	7993888	12769931	16318508	9.9000000	10.179388
99	7994036	12764111	16315065	9.9000000	10.180043
99	7994184	12758291	16311622	9.9000000	10.180698
99	7994332	12752471	16308179	9.9000000	10.181353
99	7994480	12746651	16304736	9.9000000	10.182008
99	7994628	12740831	16301293	9.9000000	10.182663
99	7994776	12735011	16297850	9.9000000	10.183318
99	7994924	12729191	16294407	9.9000000	10.183973
99	7995072	12723371	16290964	9.9000000	10.184628
99	7995220	12717551	16287521	9.9000000	10.185283
99	7995368	12711731	16284078	9.9000000	10.185938
99	7995516	12705911	16280635	9.9000000	10.186593
99	7995664	12700091	16277192	9.9000000	10.187248
99	7995812	12694271	16273749	9.9000000	10.187903
99	7995960	12688451	16270306	9.9000000	10.188558
99	7996108	12682631	16266863	9.9000000	10.189213
99	7996256	12676811	16263420	9.9000000	10.189868
99	7996404	12670991	16259977	9.9000000	10.190523
99	7996552	12665171	16256534	9.9000000	10.191178
99	7996700	12659351	16253091	9.9000000	10.191833
99	7996848	12653531	16249648	9.9000000	10.192488
99	7996996	12647711	16246205	9.9000000	10.193143
99	7997144	12641891	16242762	9.9000000	10.193798
99	7997292	12636071	16239319	9.9000000	10.194453
99	7997440	12630251	16235876	9.9000000	10.195108
99	7997588	12624431	16232433	9.9000000	10.195763
99	7997736	12618611	16228990	9.9000000	10.196418
99	7997884	12612791	16225547	9.9000000	10.197073
99	7998032	12606971	16222104	9.9000000	10.197728
99	7998180	12601151	16218661	9.9000000	10.198383
99	7998328	12595331	16215218	9.9000000	10.199038
99	7998476	12589511	16211775	9.9000000	10.199693
99	7998624	12583691	16208332	9.9000000	10.200348
99	7998772	12577871	16204889	9.9000000	10.201003
99	7998920	12572051	16201446	9.9000000	10.201658
99	7999068	12566231	16198003	9.9000000	10.202313
99	7999216	12560411	16194560	9.9000000	10.202968
99	7999364	12554591	16191117	9.9000000	10.203623
99	7999512	12548771	16187674	9.9000000	10.204278
99	7999660	12542951	16184231	9.9000000	10.204933
99	7999808	12537131	16180788	9.9000000	10.205588
99	7999956	12531311	16177345	9.9000000	10.206243



M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
52	6087614	7673270	12604744	9.784447	9.884950
51	6087999	7676043	12605412	9.784446	9.884937
51	6090383	7679317	12608103	9.784644	9.885234
53	6091767	7681592	12609792	9.784743	9.885451
54	6093151	7684367	12611483	9.784842	9.885668
55	6094535	7687144	12613175	9.784940	9.885765
56	6095919	7689921	12614867	9.785039	9.885923
57	6097302	7692699	12616561	9.785138	9.886079
58	6098685	7695477	12618255	9.785236	9.886235
59	6100069	7698256	12619951	9.785335	9.886392
60	6101451	7701037	12621647	9.785433	9.886549
61	6102834	7703817	12623343	9.785531	9.886706
62	6104217	7706599	12625041	9.785630	9.886863
63	6105599	7709381	12626740	9.785728	9.887019
64	6106981	7712164	12628439	9.785826	9.887176
65	6108363	7714948	12630139	9.785925	9.887333
66	6109745	7717732	12631840	9.786023	9.887490
67	6111127	7720518	12633542	9.786121	9.887646
68	6112508	7723304	12635245	9.786219	9.887803
69	6113889	7726091	12636949	9.786317	9.887960
70	6115270	7728878	12638653	9.786415	9.888116
71	6116651	7731666	12640359	9.786514	9.888273
72	6118032	7734455	12642065	9.786612	9.888430
73	6119412	7737245	12643772	9.786710	9.888586
74	6120792	7740036	12645480	9.786807	9.888743
75	6122173	7742827	12647188	9.786905	9.888899
76	6123553	7745619	12648898	9.787003	9.889056
77	6124932	7748412	12650608	9.787101	9.889213
78	6126312	7751206	12652319	9.787199	9.889369
79	6127691	7754000	12654031	9.787297	9.889526
80	6129070	7756795	12655744	9.787394	9.889682
81	6130449	7759591	12657458	9.787492	9.889839
82	6131828	7762387	12659173	9.787590	9.889995
83	6133207	7765185	12660888	9.787687	9.890152
84	6134585	7767983	12662605	9.787785	9.890308
85	6135963	7770782	12664322	9.787883	9.890465
86	6137341	7773581	12666040	9.787980	9.890621
87	6138719	7776382	12667759	9.788078	9.890777
88	6140097	7779183	12669478	9.788175	9.890934
89	6141474	7781985	12671199	9.788272	9.891090
90	6142852	7784787	12672920	9.788370	9.891247
91	6144229	7787591	12674643	9.788467	9.891403
92	6145606	7790395	12676366	9.788565	9.891559
93	6146983	7793200	12678090	9.788662	9.891716
94	6148359	7796006	12679815	9.788759	9.891872
95	6149736	7798812	12681541	9.788856	9.892028
96	6151112	7801619	12683267	9.788953	9.892185
97	6152488	7804427	12684995	9.789051	9.892341
98	6153864	7807236	12686723	9.789148	9.892497
99	6155239	7810046	12688452	9.789245	9.892653
	6156615	7812856	12690182	9.789342	9.892810

M.	Sig.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	7933533	13032254	16426796	9.899466	10.115019
49	7932471	13027545	16423061	9.899408	10.114862
48	7931408	13022839	16419328	9.899350	10.114705
47	7930345	13018134	16415597	9.899292	10.114547
46	7929281	13013432	16411868	9.899234	10.114392
45	7928217	13008732	16408142	9.899175	10.114235
44	7927154	13004034	16404417	9.899117	10.114078
43	7926090	12999339	16400695	9.899059	10.113921
42	7925026	12994645	16396975	9.899000	10.113764
41	7923961	12989954	16393258	9.898942	10.113607
40	7922896	12985264	16389542	9.898884	10.113451
39	7921831	12980577	16385829	9.898825	10.113294
38	7920766	12975892	16382118	9.898767	10.113137
37	7919700	12971209	16378409	9.898709	10.112980
36	7918635	12966525	16374702	9.898650	10.112824
35	7917569	12961850	16370997	9.898592	10.112667
34	7916502	12957173	16367295	9.898533	10.112510
33	7915436	12952499	16363594	9.898475	10.112353
32	7914369	12947826	16359896	9.898416	10.112197
31	7913302	12943156	16356200	9.898358	10.112040
30	7912235	12938488	16352506	9.898299	10.111883
29	7911168	12933822	16348815	9.898240	10.111727
28	7910100	12929158	16345125	9.898182	10.111570
27	7909032	12924496	16341438	9.898123	10.111413
26	7907964	12919836	16337753	9.898064	10.111257
25	7906896	12915178	16334070	9.898006	10.111100
24	7905827	12910523	16330389	9.897947	10.110944
23	7904758	12905870	16326710	9.897888	10.110787
22	7903689	12901218	16323034	9.897830	10.110631
21	7902625	12896569	16319360	9.897771	10.110474
20	7901550	12891922	16315687	9.897712	10.110317
19	7900480	12887277	16312017	9.897653	10.110161
18	7899410	12882634	16308349	9.897594	10.110004
17	7898340	12877993	16304684	9.897536	10.109848
16	7897269	12873354	16301020	9.897477	10.109692
15	7896198	12868718	16297359	9.897418	10.109535
14	7895127	12864083	16293699	9.897359	10.109379
13	7894056	12859445	16290042	9.897300	10.109222
12	7892984	12854820	16286387	9.897241	10.109066
11	7891913	12850192	16282734	9.897182	10.108909
10	7890841	12845565	16279083	9.897123	10.108753
9	7889768	12840941	16275435	9.897064	10.108597
8	7888696	12836319	16271788	9.897005	10.108440
7	7887623	12831699	16268144	9.896946	10.108284
6	7886550	12827081	16264501	9.896887	10.108128
5	7885477	12822465	16260861	9.896828	10.107971
4	7884403	12817851	16257223	9.896769	10.107815
3	7883330	12813239	16253587	9.896710	10.107659
2	7882256	12808629	16249953	9.896650	10.107502
1	7881182	12804022	16246322	9.896591	10.107346
0	7880107	12799416	16242692	9.896532	10.107190

M.	Sinus.	Tang.	Secant.	La. Sin.	Lo. Tan.
0	6156615	7812356	12690232	9.782342	9.892810
1	6157930	7815667	12691913	9.782439	9.892966
2	6159365	7818479	12693645	9.782536	9.893122
3	6160740	7821291	12695377	9.782633	9.893278
4	6162114	7824105	12697111	9.782730	9.893434
5	6163489	7826919	12698845	9.782826	9.893591
6	6164863	7829734	12700580	9.782923	9.893747
7	6166237	7832550	12702316	9.790080	9.893903
8	6167611	7835366	12704053	9.790117	9.894059
9	6168985	7838183	12705791	9.790214	9.894215
10	6170359	7841001	12707529	9.790310	9.894371
11	6171732	7843820	12709269	9.790407	9.894527
12	6173105	7846640	12711009	9.790503	9.894684
13	6174478	7849460	12712750	9.790600	9.894840
14	6175851	7852281	12714492	9.790697	9.894996
15	6177223	7855103	12716235	9.790793	9.895152
16	6178596	7857926	12717979	9.790890	9.895308
17	6179968	7860749	12719724	9.790986	9.895464
18	6181340	7863573	12721469	9.791082	9.895620
19	6182712	7866398	12723216	9.791179	9.895776
20	6184084	7869224	12724963	9.791275	9.895932
21	6185455	7872050	12726711	9.791371	9.896088
22	6186827	7874878	12728460	9.791468	9.896244
23	6188198	7877706	12730210	9.791564	9.896400
24	6189569	7880535	12731961	9.791660	9.896555
25	6190939	7883364	12733712	9.791756	9.896711
26	6192310	7886195	12735465	9.791852	9.896867
27	6193680	7889026	12737218	9.791949	9.897023
28	6195050	7891858	12738972	9.792045	9.897179
29	6196420	7894690	12740727	9.792141	9.897335
30	6197790	7897524	12742483	9.792237	9.897491
31	6199160	7900358	12744240	9.792333	9.897647
32	6200529	7903193	12745998	9.792429	9.897802
33	6201898	7906029	12747756	9.792524	9.897958
34	6203267	7908866	12749516	9.792620	9.898114
35	6204636	7911703	12751276	9.792716	9.898270
36	6206005	7914541	12753037	9.792812	9.898426
37	6207373	7917380	12754800	9.792908	9.898581
38	6208742	7920220	12756562	9.793003	9.898737
39	6210110	7923061	12758326	9.793099	9.898893
40	6211478	7925902	12760091	9.793195	9.899049
41	6212845	7928744	12761857	9.793290	9.899204
42	6214213	7931587	12763623	9.793386	9.899360
43	6215580	7934431	12765390	9.793481	9.899516
44	6216947	7937275	12767159	9.793577	9.899671
45	6218314	7940121	12768927	9.793672	9.899827
46	6219682	7942967	12770698	9.793768	9.899983
47	6221048	7945814	12772469	9.793863	9.900138
48	6222414	7948661	12774240	9.793959	9.900294
49	6223780	7951510	12776013	9.794054	9.900449
50	6225146	7954459	12777786	9.794149	9.900605

M.	Sin.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	7880107	12799416	16242692	9.896531	10.107190
99	7879033	12794813	16239065	9.896473	10.107034
98	7877958	12790211	16235440	9.896413	10.106878
97	7876883	12785612	16231816	9.896354	10.106721
96	7875807	12781014	16228195	9.896295	10.106565
95	7874732	12776419	16224570	9.896236	10.106409
94	7873656	12771825	16220949	9.896176	10.106253
93	7872580	12767234	16217345	9.896117	10.106096
92	7871503	12762645	16213742	9.896057	10.105940
91	7870427	12758058	16210121	9.895998	10.105784
90	7869350	12753473	16206513	9.895939	10.105628
89	7868273	12748889	16202907	9.895879	10.105472
88	7867196	12744308	16199302	9.895820	10.105316
87	7866118	12739729	16195700	9.895760	10.105160
86	7865040	12735152	16192100	9.895701	10.105004
85	7863962	12730577	16188502	9.895641	10.104848
84	7862884	12726004	16184906	9.895582	10.104692
83	7861806	12721434	16181312	9.895522	10.104536
82	7860727	12716865	16177721	9.895463	10.104380
81	7859648	12712298	16174131	9.895403	10.104224
80	7858569	12707733	16170544	9.895343	10.104068
79	7857489	12703170	16166958	9.895284	10.103912
78	7856410	12698610	16163375	9.895224	10.103756
77	7855330	12694051	16159793	9.895164	10.103600
76	7854250	12689493	16156214	9.895105	10.103444
75	7853169	12684939	16152637	9.895045	10.103288
74	7852088	12680387	16149062	9.894985	10.103132
73	7851008	12675836	16145489	9.894925	10.102976
72	7849926	12671287	16141918	9.894865	10.102821
71	7848845	12666741	16138349	9.894806	10.102665
70	7847764	12662196	16134783	9.894746	10.102509
69	7846682	12657653	16131218	9.894686	10.102353
68	7845600	12653113	16127655	9.894626	10.102197
67	7844517	12648574	16124095	9.894566	10.102041
66	7843435	12644038	16120536	9.894506	10.101886
65	7842352	12639503	16116980	9.894446	10.101730
64	7841269	12634970	16113425	9.894386	10.101574
63	7840186	12630440	16109873	9.894326	10.101418
62	7839102	12625911	16106323	9.894266	10.101263
61	7838018	12621384	16102774	9.894206	10.101107
60	7836934	12616860	16099228	9.894146	10.100951
59	7835850	12612337	16095684	9.894085	10.100795
58	7834766	12607816	16092142	9.894026	10.100640
57	7833681	12603298	16088602	9.893966	10.100484
56	7832596	12598781	16085064	9.893906	10.100328
55	7831511	12594266	16081528	9.893845	10.100173
54	7830425	12589754	16077994	9.893785	10.100017
53	7829340	12585243	16074462	9.893725	10.099861
52	7828254	12580734	16070933	9.893665	10.099706
51	7827168	12576228	16067405	9.893604	10.099550
50	7826081	12571723	16063879	9.893544	10.099395

M	Min.	Long.	Sec.	Lo. Sin.	Lo. Tan.
50	6225140	7954359	12777780	7-794133	9-900605
51	6225512	7957209	12779501	7-794245	9-900761
52	6225788	7960050	12781336	7-794340	9-900916
53	6225943	7962911	12783112	7-794435	9-901072
54	6226068	7965764	12784889	7-794530	9-901227
55	6226197	7968617	12786667	7-794625	9-901383
56	6226330	7971471	12788440	7-794721	9-901538
57	6226470	7974325	12790225	7-794816	9-901694
58	6226607	7977181	12792006	7-794911	9-901849
59	6226743	7980037	12793788	7-795006	9-902005
60	6226876	7982895	12795570	7-795101	9-902160
61	6227010	7985753	12797353	7-795196	9-902316
62	6227152	7988611	12799137	7-795290	9-902471
63	6227288	7991471	12800922	7-795385	9-902627
64	6227425	7994332	12802708	7-795480	9-902782
65	6227561	7997193	12804495	7-795575	9-902937
66	6227697	8000055	12806283	7-795670	9-903093
67	6227833	8002917	12808071	7-795764	9-903243
68	6227970	8005781	12809861	7-795859	9-903404
69	6228106	8008645	12811651	7-795954	9-903559
70	6228242	8011511	12813442	7-796049	9-903714
71	6228378	8014376	12815234	7-796143	9-903860
72	6228515	8017243	12817027	7-796238	9-904005
73	6228651	8020111	12818821	7-796332	9-904160
74	6228787	8022979	12820616	7-796426	9-904315
75	6228923	8025845	12822412	7-796521	9-904461
76	6229059	8028718	12824208	7-796615	9-904606
77	6229195	8031589	12826006	7-796710	9-904751
78	6229331	8034461	12827804	7-796804	9-904896
79	6229467	8037333	12829603	7-796899	9-905041
80	6229603	8040200	12831403	7-796993	9-905187
81	6229739	8043080	12833204	7-797087	9-905332
82	6229875	8045955	12835006	7-797181	9-905477
83	6229911	8048831	12836809	7-797276	9-905623
84	6230047	8051707	12838613	7-797370	9-905768
85	6230183	8054584	12840418	7-797464	9-905914
86	6230319	8057462	12842223	7-797558	9-906059
87	6230455	8060341	12844030	7-797652	9-906205
88	6230591	8063221	12845837	7-797746	9-906350
89	6230727	8066101	12847645	7-797840	9-906496
90	6230863	8068983	12849454	7-797934	9-906641
91	6231000	8071865	12851264	7-798028	9-906787
92	6231136	8074747	12853075	7-798122	9-906932
93	6231272	8077631	12854887	7-798216	9-907078
94	6231408	8080516	12856699	7-798310	9-907224
95	6231544	8083401	12858514	7-798404	9-907369
96	6231680	8086287	12860328	7-798497	9-907515
97	6231816	8089174	12862140	7-798591	9-907661
98	6231952	8092062	12863956	7-798684	9-907807
99	6232088	8094951	12865777	7-798778	9-907953
	6232224	8097840	12867595	7-798872	9-908099

M	Sinus	Tangens	Secant.	Lo. Sin	Lo. Tan.
50	7826081	12571723	16063879	9.893544	10.099395
47	7824995	12567220	16060355	9.893484	10.099329
48	7823908	12562719	16056834	9.893424	10.099263
47	7822821	12558220	16053314	9.893363	10.099197
46	7821733	12553723	16049797	9.893303	10.099131
45	7820646	12549223	16046281	9.893242	10.099065
44	7819558	12544720	16042767	9.893182	10.098999
43	7818470	12540225	16039256	9.893122	10.098933
42	7817382	12535756	16035747	9.893061	10.098867
41	7816293	12531269	16032239	9.893001	10.098801
40	7815205	12526783	16028734	9.892940	10.098735
39	7814116	12522290	16025230	9.892880	10.098669
38	7813026	12517819	16021729	9.892820	10.098603
37	7811937	12513340	16018229	9.892759	10.098537
36	7810847	12508863	16014732	9.892698	10.098471
35	7809757	12504387	16011237	9.892638	10.098405
34	7808667	12499914	16007743	9.892577	10.098339
33	7807576	12495443	16004252	9.892516	10.098273
32	7806486	12490973	16000763	9.892455	10.098207
31	7805395	12486506	15997276	9.892394	10.098141
30	7804304	12482040	15993790	9.892334	10.098075
29	7803213	12477576	15990307	9.892273	10.098009
28	7802121	12473115	15986826	9.892212	10.097943
27	7801029	12468655	15983346	9.892152	10.097877
26	7799937	12464197	15979869	9.892091	10.097811
25	7798845	12459742	15976394	9.892030	10.097745
24	7797752	12455288	15972921	9.891969	10.097679
23	7796659	12450836	15969449	9.891908	10.097613
22	7795566	12446386	15965980	9.891847	10.097547
21	7794473	12441937	15962513	9.891787	10.097481
20	7793379	12437491	15959047	9.891726	10.097415
19	7792286	12433047	15955584	9.891665	10.097349
18	7791192	12428605	15952123	9.891604	10.097283
17	7790097	12424164	15948663	9.891543	10.097217
16	7789003	12419724	15945206	9.891482	10.097151
15	7787908	12415289	15941751	9.891421	10.097085
14	7786813	12410855	15938297	9.891360	10.097019
13	7785718	12406422	15934846	9.891299	10.096953
12	7784623	12401991	15931396	9.891237	10.096887
11	7783527	12397563	15927949	9.891176	10.096821
10	7782431	12393136	15924503	9.891115	10.096755
9	7781335	12388711	15921060	9.891054	10.096689
8	7780239	12384288	15917618	9.890993	10.096623
7	7779142	12379866	15914179	9.890932	10.096557
6	7778045	12375447	15910741	9.890871	10.096491
5	7776948	12371030	15907306	9.890810	10.096425
4	7775851	12366614	15903872	9.890749	10.096359
3	7774753	12362201	15900440	9.890688	10.096293
2	7773656	12357789	15897011	9.890627	10.096227
1	7772558	12353379	15893583	9.890566	10.096161
0	7771459	12348971	15890157	9.890505	10.096095

	M	Sinus.	Tang.	Secant.		Lo. Sin.	Lo. Tan.
	0	6293204	8037840	12867595		9.798872	9.908369
	1	6294560	8100730	12869415		9.798965	9.908524
	2	6295916	8103621	12871235		9.799059	9.908679
	3	6297272	8106513	12873055		9.799152	9.908834
	4	6298628	8109406	12874877		9.799246	9.908989
	5	6299983	8112300	12876700		9.799339	9.909144
	6	6301339	8115194	12878524		9.799433	9.909299
	7	6302694	8118089	12880348		9.799526	9.909454
	8	6304049	8120985	12882174		9.799619	9.909609
	9	6305403	8123882	12884000		9.799713	9.909763
	10	6306758	8126779	12885827		9.799806	9.909918
	11	6308112	8129678	12887655		9.799899	9.910073
	12	6309466	8132577	12889484		9.799992	9.910228
	13	6310820	8135477	12891314		9.800086	9.910383
	14	6312174	8138378	12893145		9.800179	9.910538
	15	6313528	8141280	12894977		9.800272	9.910692
	16	6314881	8144182	12896810		9.800365	9.910847
	17	6316234	8147086	12898643		9.800458	9.911002
	18	6317587	8149991	12900478		9.800551	9.911157
	19	6318940	8152895	12902314		9.800644	9.911312
	20	6320293	8155801	12904150		9.800737	9.911466
	21	6321645	8158707	12905987		9.800830	9.911621
	22	6322998	8161615	12907825		9.800923	9.911776
	23	6324350	8164523	12909665		9.801016	9.911931
	24	6325701	8167432	12911505		9.801109	9.912085
	25	6327053	8170342	12913346		9.801201	9.912240
	26	6328405	8173253	12915187		9.801294	9.912395
	27	6329756	8176167	12917030		9.801387	9.912549
	28	6331107	8179075	12918874		9.801479	9.912704
	29	6332458	8181991	12920719		9.801572	9.912859
	30	6333809	8184905	12922564		9.801665	9.913013
	31	6335159	8187820	12924411		9.801757	9.913168
	32	6336509	8190736	12926258		9.801850	9.913323
	33	6337859	8193652	12928107		9.801942	9.913477
	34	6339209	8196570	12929956		9.802035	9.913632
	35	6340559	8199488	12931806		9.802127	9.913786
	36	6341909	8202407	12933657		9.802220	9.913941
	37	6343258	8205327	12935509		9.802312	9.914096
	38	6344607	8208248	12937362		9.802405	9.914250
	39	6345956	8211170	12939216		9.802497	9.914405
	40	6347305	8214092	12941071		9.802589	9.914559
	41	6348654	8217016	12942926		9.802681	9.914714
	42	6350002	8219940	12944783		9.802774	9.914868
	43	6351350	8222865	12946641		9.802866	9.915023
	44	6352698	8225791	12948499		9.802958	9.915177
	45	6354046	8228718	12950359		9.803050	9.915332
	46	6355393	8231645	12952219		9.803142	9.915486
	47	6356741	8234573	12954080		9.803234	9.915641
	48	6358088	8237503	12955943		9.803326	9.915795
	49	6359435	8240433	12957806		9.803418	9.915950
	50	6360782	8243364	12959670		9.803510	9.916104



M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	7771459	12348971	15890157	9.890502	10.091631
99	7770361	12344565	15886733	9.890441	10.091476
98	7769262	12340161	15883311	9.890380	10.091321
97	7768163	12335759	15879891	9.890318	10.091166
96	7767064	12331359	15876474	9.890257	10.091011
95	7765965	12326961	15873057	9.890195	10.090856
94	7764865	12322564	15869643	9.890134	10.090701
93	7763765	12318169	15866231	9.890072	10.090546
92	7762665	12313777	15862821	9.890011	10.090391
91	7761564	12309386	15859413	9.889949	10.090236
90	7760464	12304997	15856007	9.889887	10.090081
89	7759362	12300610	15852602	9.889826	10.089926
88	7758262	12296225	15849200	9.889764	10.089772
87	7757161	12291842	15845800	9.889703	10.089617
86	7756059	12287460	15842401	9.889641	10.089462
85	7754957	12283081	15839005	9.889579	10.089307
84	7753855	12278703	15835610	9.889517	10.089152
83	7752753	12274327	15832217	9.889456	10.089008
82	7751650	12269953	15828827	9.889394	10.088863
81	7750548	12265581	15825438	9.889332	10.088718
80	7749445	12261211	15822051	9.889270	10.088573
79	7748341	12256843	15818666	9.889209	10.088428
78	7747238	12252477	15815283	9.889147	10.088284
77	7746134	12248112	15811902	9.889085	10.088140
76	7745030	12243749	15808523	9.889023	10.087996
75	7743926	12239383	15805146	9.888961	10.087852
74	7742822	12235030	15801770	9.888899	10.087708
73	7741717	12230672	15798397	9.888837	10.087564
72	7740612	12226317	15795026	9.888775	10.087420
71	7739507	12221964	15791656	9.888713	10.087276
70	7738402	12217612	15788288	9.888651	10.087132
69	7737296	12213263	15784923	9.888589	10.086988
68	7736191	12208915	15781559	9.888527	10.086844
67	7735084	12204569	15778197	9.888465	10.086700
66	7733978	12200225	15774837	9.888403	10.086556
65	7732872	12195883	15771479	9.888341	10.086412
64	7731765	12191542	15768123	9.888278	10.086268
63	7730659	12187204	15764769	9.888216	10.086124
62	7729551	12182867	15761416	9.888154	10.085980
61	7728443	12178532	15758066	9.888092	10.085836
60	7727336	12174199	15754717	9.888030	10.085692
59	7726228	12169868	15751371	9.887967	10.085548
58	7725119	12165539	15748026	9.887905	10.085404
57	7724011	12161211	15744683	9.887848	10.085260
56	7722902	12156885	15741342	9.887780	10.085116
55	7721794	12152561	15738003	9.887718	10.084972
54	7720684	12148240	15734666	9.887656	10.084828
53	7719579	12143919	15731331	9.887593	10.084684
52	7718465	12139601	15727998	9.887531	10.084540
51	7717356	12135285	15724666	9.887468	10.084396
50	7716246	12130970	15721337	9.887406	10.084252

M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	6360782	8243364	12959670	9.803510	9.916104
51	6362123	8246295	12961535	9.803602	9.916259
52	6363475	8249223	12963401	9.803694	9.916413
53	6364821	8252161	12965268	9.803786	9.916568
54	6366167	8255036	12967136	9.803878	9.916722
55	6367513	8258011	12969004	9.803970	9.916876
56	6368859	8260367	12970874	9.804061	9.917031
57	6370204	8263924	12972745	9.804153	9.917185
58	6371550	8266341	12974616	9.804245	9.917339
59	6372895	8269780	12976489	9.804337	9.917494
60	6374240	8272719	12978362	9.804428	9.917648
61	6375584	8275659	12980236	9.804520	9.917802
62	6376929	8278601	12982112	9.804611	9.917957
63	6378273	8281542	12983988	9.804703	9.918111
64	6379617	8284485	12985865	9.804794	9.918265
65	6380961	8287429	12987743	9.804886	9.918420
66	6382305	8290373	12989622	9.804977	9.918574
67	6383649	8293319	12991502	9.805069	9.918728
68	6384992	8296265	12993383	9.805160	9.918882
69	6386335	8299212	12995265	9.805252	9.919037
70	6387678	8302160	12997148	9.805343	9.919191
71	6389021	8305108	12999032	9.805444	9.919345
72	6390363	8308058	13000916	9.805525	9.919499
73	6391706	8311009	13002802	9.805617	9.919654
74	6393048	8313960	13004689	9.805708	9.919808
75	6394390	8316912	13006576	9.805799	9.919962
76	6395732	8319865	13008465	9.805890	9.920116
77	6397073	8322819	13010354	9.805981	9.920270
78	6398415	8325774	13012244	9.806072	9.920424
79	6399756	8328729	13014136	9.806163	9.920579
80	6401097	8331686	13016028	9.806254	9.920733
81	6402438	8334643	13017921	9.806345	9.920887
82	6403778	8337601	13019815	9.806436	9.921041
83	6405119	8340560	13021710	9.806527	9.921195
84	6406459	8343520	13023606	9.806618	9.921349
85	6407799	8346481	13025503	9.806709	9.921503
86	6409140	8349442	13027401	9.806799	9.921657
87	6410478	8352405	13029300	9.806890	9.921811
88	6411818	8355368	13031200	9.806981	9.921965
89	6413157	8358333	13033101	9.807072	9.922119
90	6414496	8361298	13035003	9.807162	9.922273
91	6415835	8364264	13036905	9.807253	9.922428
92	6417174	8367230	13038809	9.807344	9.922582
93	6418512	8370198	13040714	9.807434	9.922736
94	6419850	8373167	13042619	9.807525	9.922890
95	6421188	8376136	13044526	9.807615	9.923044
96	6422526	8379106	13046433	9.807706	9.923198
97	6423864	8382077	13048342	9.807796	9.923351
98	6425202	8385049	13050251	9.807887	9.923505
99	6426539	8388022	13052161	9.807977	9.923659
	6427876	8390996	13054073	9.808067	9.923813

M	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
50	7716246	12130970	15721337	9.887406	10.083835
49	7715135	12126657	15718009	9.8873743	10.0837741
48	7714025	12122346	15714683	9.887281	10.0837186
47	7712914	12118037	15711359	9.887218	10.083632
46	7711803	12113729	15708037	9.887156	10.083578
45	7710692	12109424	15704717	9.887093	10.083523
44	7709583	12105120	15701399	9.887031	10.083469
43	7708469	12100818	15698083	9.886968	10.083415
42	7707357	12096518	15694768	9.886905	10.083360
41	7706245	12092220	15691456	9.886843	10.083306
40	7705132	12087923	15688145	9.886780	10.083252
39	7704020	12083629	15684836	9.886717	10.083197
38	7702907	12079336	15681529	9.886654	10.083143
37	7701794	12075045	15678224	9.886592	10.083089
36	7700680	12070756	15674921	9.886529	10.083034
35	7699567	12066468	15671619	9.886466	10.082980
34	7698453	12062182	15668320	9.886403	10.082926
33	7697339	12057899	15665022	9.886340	10.082871
32	7696225	12053617	15661726	9.886278	10.082817
31	7695110	12049336	15658432	9.886215	10.082763
30	7693995	12045058	15655140	9.886152	10.082709
29	7692880	12040781	15651850	9.886089	10.082654
28	7691765	12036507	15648562	9.886026	10.082600
27	7690650	12032234	15645275	9.885963	10.082546
26	7689534	12027962	15641991	9.885900	10.082492
25	7688418	12023693	15638708	9.885837	10.082438
24	7687302	12019424	15635427	9.885774	10.079884
23	7686186	12015159	15632148	9.885711	10.079729
22	7685069	12010895	15628871	9.885648	10.079575
21	7683952	12006633	15625596	9.885584	10.079421
20	7682835	12002373	15622322	9.885521	10.079267
19	7681718	11998114	15619050	9.885458	10.079113
18	7680600	11993857	15615781	9.885395	10.078959
17	7679482	11989602	15612513	9.885332	10.078805
16	7678364	11985348	15609246	9.885269	10.078650
15	7677246	11981097	15605982	9.885205	10.078496
14	7676128	11976847	15602720	9.885142	10.078342
13	7675009	11972599	15599459	9.885079	10.078188
12	7673890	11968353	15596200	9.885015	10.078034
11	7672771	11964108	15592943	9.884952	10.077880
10	7671651	11959866	15589688	9.884889	10.077726
9	7670532	11955625	15586435	9.884825	10.077572
8	7669412	11951386	15583184	9.884762	10.077418
7	7668292	11947148	15579934	9.884698	10.077264
6	7667171	11942912	15576686	9.884635	10.077110
5	7666051	11938679	15573440	9.884571	10.076956
4	7664930	11934446	15570196	9.884509	10.076802
3	7663809	11930216	15566954	9.884444	10.076648
2	7662688	11925988	15563714	9.884381	10.076494
1	7661566	11921761	15560475	9.884317	10.076340
0	7660444	11917535	15557238	9.884254	10.076186

	M	Sinus.	Tang.	Secant.		Lo. Sin.	Lo. Tan.
0	6427076	8330777	13054873		9.801307	9.921813	
1	6427213	8333971	13055985		9.801158	9.921967	
2	6427350	8337246	13057830		9.801014	9.922121	
3	6427486	8339923	13059812		9.800878	9.922275	
4	6427622	8342700	13061727		9.800742	9.922429	
5	6427758	8345578	13063644		9.800606	9.922583	
6	6427894	8348457	13065561		9.800470	9.922737	
7	6428030	8351337	13067479		9.800334	9.922891	
8	6428166	8354218	13069393		9.800198	9.923045	
9	6428302	8357099	13071313		9.800062	9.923199	
10	6428438	8359982	13073238		9.800039	9.923352	
11	6428571	8362865	13075160		9.800059	9.923506	
12	6428706	8365749	13077083		9.800143	9.923660	
13	6428840	8368634	13079007		9.800239	9.923814	
14	6428975	8371519	13080932		9.800327	9.923968	
15	6429100	8374407	13082857		9.800419	9.924121	
16	6429242	8377295	13084784		9.800502	9.924275	
17	6429377	8380184	13086712		9.800598	9.924429	
18	6429510	8383073	13088640		9.800688	9.924583	
19	6429644	8385963	13090570		9.800778	9.924736	
20	6429777	8388855	13092500		9.800868	9.924890	
21	6429911	8391747	13094432		9.800967	9.925044	
22	6430042	8394640	13096364		9.801047	9.925198	
23	6430175	8397534	13098298		9.801137	9.925351	
24	6430307	8400429	13100232		9.801226	9.925505	
25	6430439	8403325	13102168		9.801316	9.925659	
26	6430572	8406221	13104104		9.801405	9.925813	
27	6430703	8409119	13106041		9.801495	9.925966	
28	6430835	8412017	13107980		9.801584	9.926120	
29	6430966	8414916	13109919		9.801674	9.926274	
30	6431098	8417815	13111859		9.801765	9.926427	
31	6431229	8420716	13113801		9.801852	9.926581	
32	6431360	8423619	13115743		9.801942	9.926735	
33	6431490	8426522	13117686		9.802031	9.926888	
34	6431620	8429425	13119630		9.802120	9.927042	
35	6431751	8432329	13121575		9.802209	9.927195	
36	6431881	8435236	13123521		9.802299	9.927349	
37	6432011	8438142	13125468		9.802388	9.927503	
38	6432140	8441049	13127417		9.802477	9.927656	
39	6432270	8443956	13129366		9.802566	9.927810	
40	6432400	8446863	13131316		9.802655	9.927963	
41	6432529	8449770	13133267		9.802744	9.928117	
42	6432659	8452678	13135219		9.802833	9.928271	
43	6432788	8455585	13137172		9.802922	9.928424	
44	6432918	8458493	13139125		9.803011	9.928578	
45	6433047	8461400	13141080		9.803100	9.928731	
46	6433177	8464308	13143036		9.803189	9.928885	
47	6433306	8467216	13144993		9.803278	9.929038	
48	6433436	8470124	13146951		9.803367	9.929191	
49	6433565	8473032	13148910		9.803455	9.929345	
50	6433695	8475940	13150870		9.803544	9.929499	

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	7660444	11017536	15557238	9.884254	10.076186
99	7659322	11911312	15554203	9.884190	10.076032
98	7658200	11909091	15550770	9.884127	10.075878
97	7657077	11904871	15547539	9.884063	10.075725
96	7655955	11900653	15544309	9.883999	10.075571
95	7654832	11896437	15541081	9.883935	10.075417
94	7653709	11892222	15537855	9.883872	10.075263
93	7652585	11888000	15534631	9.883808	10.075109
92	7651462	11883798	15531409	9.883744	10.074955
91	7650338	11879589	15528188	9.883680	10.074801
90	7649214	11875382	15524970	9.883617	10.074647
89	7648089	11871176	15521753	9.883553	10.074494
88	7646964	11866972	15518538	9.883489	10.074340
87	7645840	11862769	15515323	9.883425	10.074186
86	7644715	11858569	15512113	9.883361	10.074032
85	7643590	11854370	15508903	9.883297	10.073878
84	7642464	11850173	15505696	9.883233	10.073724
83	7641339	11845977	15502490	9.883169	10.073571
82	7640213	11841784	15499285	9.883105	10.073417
81	7639087	11837592	15496083	9.883041	10.073263
80	7637960	11833402	15492882	9.882977	10.073109
79	7636833	11829213	15489683	9.882913	10.072956
78	7635707	11825026	15486486	9.882849	10.072802
77	7634579	11820842	15483291	9.882785	10.072648
76	7633452	11816658	15480097	9.882721	10.072494
75	7632324	11812477	15476906	9.882657	10.072341
74	7631197	11808297	15473716	9.882592	10.072187
73	7630069	11804119	15470528	9.882528	10.072033
72	7628940	11799942	15467341	9.882464	10.071880
71	7627812	11795766	15464157	9.882400	10.071726
70	7626683	11791595	15460974	9.882336	10.071572
69	7625554	11787424	15457793	9.882271	10.071419
68	7624425	11783254	15454614	9.882207	10.071265
67	7623295	11779087	15451436	9.882143	10.071111
66	7622166	11774921	15448260	9.882078	10.070958
65	7621036	11770756	15445087	9.882014	10.070804
64	7619906	11766594	15441914	9.881949	10.070651
63	7618777	11762433	15438744	9.881885	10.070497
62	7617645	11758273	15435576	9.881821	10.070343
61	7616514	11754116	15432409	9.881756	10.070190
60	7615383	11749960	15429244	9.881692	10.070036
59	7614252	11745806	15426080	9.881627	10.069883
58	7613120	11741654	15422919	9.881562	10.069729
57	7611988	11737503	15419759	9.881498	10.069576
56	7610856	11733354	15416601	9.881433	10.069422
55	7609724	11729207	15413445	9.881369	10.069268
54	7608592	11725061	15410290	9.881304	10.069115
53	7607459	11720917	15407138	9.881239	10.068961
52	7606326	11716775	15403987	9.881175	10.068808
51	7605193	11712634	15400838	9.881110	10.068654
50	7604059	11708495	15397690	9.881045	10.068501

M	inus.	Ang.	Secant.	Lu. Sin.	Lo. Tan.
50	6494430	8540807	13150870	9.812544	9.931499
51	6495807	8543826	13152831	9.812633	9.931652
52	6497134	8546845	13154792	9.812722	9.931806
53	6498461	8549866	13156755	9.812810	9.931959
54	6499787	8552888	13158719	9.812899	9.932113
55	6501114	8555910	13160684	9.812988	9.932266
56	6502440	8558934	13162650	9.813076	9.932419
57	6503766	8561958	13164616	9.813165	9.932573
58	6505091	8564983	13166584	9.813253	9.932726
59	6506417	8568009	13168553	9.813342	9.932880
60	6507742	8571036	13170523	9.813430	9.933033
61	6509067	8574064	13172493	9.813519	9.933187
62	6510392	8577093	13174465	9.813607	9.933340
63	6511717	8580123	13176438	9.813695	9.933493
64	6513041	8583154	13178411	9.813784	9.933647
65	6514365	8586185	13180386	9.813872	9.933800
66	6515689	8589218	13182362	9.813960	9.933953
67	6517013	8592251	13184338	9.814048	9.934107
68	6518337	8595285	13186316	9.814137	9.934260
69	6519661	8598321	13188294	9.814225	9.934413
70	6520984	8601357	13190274	9.814313	9.934567
71	6522307	8604394	13192255	9.814401	9.934720
72	6523630	8607432	13194237	9.814489	9.934873
73	6524953	8610471	13196219	9.814577	9.935027
74	6526277	8613510	13198203	9.814665	9.935180
75	6527597	8616551	13200188	9.814753	9.935333
76	6528919	8619593	13202173	9.814841	9.935487
77	6530241	8622635	13204160	9.814929	9.935640
78	6531563	8625677	13206147	9.815017	9.935793
79	6532885	8628723	13208136	9.815105	9.935946
80	6534206	8631768	13210126	9.815193	9.936100
81	6535527	8634814	13212116	9.815280	9.936253
82	6536848	8637862	13214108	9.815368	9.936406
83	6538169	8640910	13216101	9.815456	9.936559
84	6539489	8643959	13218094	9.815544	9.936712
85	6540809	8647008	13220089	9.815631	9.936866
86	6542129	8650059	13222085	9.815719	9.937019
87	6543449	8653111	13224081	9.815807	9.937172
88	6544769	8656164	13226077	9.815894	9.937325
89	6546089	8659218	13228078	9.815982	9.937478
90	6547408	8662272	13230077	9.816069	9.937632
91	6548727	8665327	13232078	9.816157	9.937785
92	6550046	8668383	13234080	9.816244	9.937938
93	6551365	8671440	13236082	9.816332	9.938091
94	6552683	8674499	13238086	9.816419	9.938244
95	6554002	8677558	13240091	9.816506	9.938397
96	6555320	8680618	13242097	9.816594	9.938550
97	6556638	8683679	13244103	9.816681	9.938704
98	6557955	8686741	13246111	9.816768	9.938857
99	6559273	8689803	13248120	9.816856	9.939010
—	6560590	8692867	13250130	9.816943	9.939163

M	Sinus	Tangens	Secant.	La. Sin.	La. Tan.
50	7604059	11703495	15397010	9.881045	10.068501
49	7603926	11703358	15394545	9.880981	10.068347
48	7603792	11703223	15392101	9.880916	10.068194
47	7603658	11696089	15388558	9.880851	10.068040
46	7599524	11691957	15385118	9.880786	10.067887
45	7598389	11687827	15381979	9.880721	10.067734
44	7597254	11683698	15378843	9.880656	10.067580
43	7596119	11679571	15375707	9.880592	10.067427
42	7594984	11675446	15372574	9.880527	10.067273
41	7593849	11671322	15369442	9.880462	10.067120
40	7592713	11667201	15366312	9.880397	10.066966
39	7591577	11663080	15363184	9.880332	10.066813
38	7590441	11658961	15360058	9.880267	10.066660
37	7589304	11654844	15356933	9.880202	10.066506
36	7588168	11650729	15353810	9.880137	10.066353
35	7587031	11646615	15350699	9.880072	10.066200
34	7585894	11642503	15347569	9.880007	10.066046
33	7584757	11638393	15344452	9.879941	10.065893
32	7583619	11634285	15341335	9.879876	10.065739
31	7582481	11630178	15338221	9.879811	10.065586
30	7581343	11626072	15335109	9.879746	10.065433
29	7580205	11621965	15331998	9.879681	10.065280
28	7579066	11617867	15328889	9.879616	10.065126
27	7577928	11613767	15325781	9.879550	10.064973
26	7576789	11609668	15322676	9.879485	10.064820
25	7575650	11605571	15319572	9.879420	10.064666
24	7574510	11601476	15316470	9.879354	10.064513
23	7573371	11597382	15313369	9.879289	10.064360
22	7572231	11593290	15310270	9.879224	10.064207
21	7571091	11589200	15307173	9.879158	10.064053
20	7569950	11585111	15304078	9.879093	10.063900
19	7568810	11581024	15300984	9.879027	10.063747
18	7567669	11576939	15297892	9.878962	10.063594
17	7566528	11572855	15294802	9.878896	10.063440
16	7565387	11568773	15291714	9.878831	10.063287
15	7564245	11564693	15288627	9.878765	10.063134
14	7563104	11560614	15285542	9.878700	10.062981
13	7561962	11556537	15282459	9.878634	10.062828
12	7560820	11552462	15279377	9.878569	10.062674
11	7559677	11548388	15276297	9.878503	10.062521
10	7558534	11544316	15273219	9.878437	10.062368
9	7557392	11540245	15270143	9.878372	10.062215
8	7556249	11536176	15267068	9.878306	10.062062
7	7555105	11532110	15263995	9.878240	10.061909
6	7553962	11528043	15260923	9.878175	10.061755
5	7552818	11523979	15257854	9.878109	10.061602
4	7551674	11519917	15254786	9.878043	10.061449
3	7550530	11515856	15251719	9.877977	10.061296
2	7549385	11511797	15248655	9.877911	10.061143
1	7548241	11507740	15245592	9.877846	10.060990
0	7547096	11503684	15242531	9.877780	10.060837



M	Sin.	Tang.	Secant.	Le. Sin.	Le. Tan.
0	6460490	8632867	13250130	9.816049	9.939263
1	6461907	8695322	13252141	9.817030	9.939316
2	6463224	8758227	13254152	9.817112	9.939469
3	6464541	8821064	13256165	9.817204	9.939522
4	6465857	8883913	13258179	9.817291	9.939575
5	6467174	8946720	13260194	9.817378	9.939628
6	6468490	9009526	13262210	9.817465	9.940081
7	6469806	9072333	13264227	9.817552	9.940234
8	6471121	9135141	13266246	9.817639	9.940387
9	6472437	9197943	13268264	9.817726	9.940540
10	6473752	9260756	13270283	9.817813	9.940693
11	6475067	9323562	13272304	9.817900	9.940846
12	6476382	9386370	13274326	9.817987	9.940999
13	6477697	9449181	13276349	9.818074	9.941152
14	6479012	9511987	13278374	9.818160	9.941305
15	6480326	9574793	13280399	9.818247	9.941458
16	6481640	9637601	13282423	9.818334	9.941611
17	6482954	9699411	13284442	9.818421	9.941764
18	6484268	9761224	13286460	9.818507	9.941917
19	6485581	9823038	13288480	9.818594	9.942070
20	6486894	9884853	13290509	9.818681	9.942223
21	6488208	9946668	13292537	9.818767	9.942376
22	6489522	10008486	13294563	9.818854	9.942529
23	6490833	10070301	13296586	9.818940	9.942682
24	6492146	10132117	13298607	9.819027	9.942835
25	6493458	10193934	13300625	9.819113	9.942988
26	6494770	10255753	13302642	9.819199	9.943141
27	6496082	10317572	13304659	9.819286	9.943293
28	6497394	10379392	13306678	9.819372	9.943446
29	6498705	10441213	13308697	9.819459	9.943599
30	6499016	10503034	13310715	9.819545	9.943752
31	6500328	10564855	13312733	9.819631	9.943904
32	6501639	10626676	13314751	9.819717	9.944058
33	6502950	10688497	13316769	9.819804	9.944211
34	6504261	10750318	13318787	9.819890	9.944364
35	6505572	10812139	13320805	9.819976	9.944516
36	6506883	10873960	13322823	9.820062	9.944669
37	6508194	10935781	13324841	9.820148	9.944822
38	6509505	10997602	13326859	9.820234	9.944975
39	6510816	11059423	13328877	9.820320	9.945128
40	6512127	11121244	13330895	9.820406	9.945281
41	6513438	11183065	13332913	9.820492	9.945433
42	6514749	11244886	13334931	9.820578	9.945586
43	6516060	11306707	13336949	9.820664	9.945739
44	6517371	11368528	13338967	9.820750	9.945892
45	6518682	11430349	13340985	9.820836	9.946044
46	6519993	11492170	13343003	9.820922	9.946197
47	6521304	11553991	13345021	9.821007	9.946350
48	6522615	11615812	13347039	9.821093	9.946503
49	6523926	11677633	13349057	9.821179	9.946656
50	6525237	11739454	13351075	9.821264	9.946809

N.	Surm.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	7547026	11506384	1522231	9.877780	10.000037
99	7545980	11499360	15239471	9.877714	10.000064
98	7544905	11491777	15256413	9.877648	10.000131
97	7543819	11484526	15273137	9.877582	10.000178
96	7542714	11477477	15289703	9.877516	10.000224
95	7541598	11470429	15306150	9.877450	10.000271
94	7540421	11463383	15322499	9.877384	10.000318
93	7539275	11456339	15338750	9.877318	10.000365
92	7538128	11449296	15354902	9.877252	10.000412
91	7536981	11442255	15370956	9.877186	10.000459
90	7535834	11435215	15387013	9.877120	10.000506
89	7534686	11428177	15402969	9.877053	10.000553
88	7533539	11421141	15418928	9.876987	10.000600
87	7532391	11414106	15434889	9.876921	10.000647
86	7531243	11407073	15450851	9.876855	10.000694
85	7530094	11400041	15466815	9.876789	10.000741
84	7528946	11393011	15482781	9.876722	10.000788
83	7527797	11385983	15498748	9.876656	10.000835
82	7526648	11378956	15514717	9.876590	10.000882
81	7525498	11371931	15530688	9.876524	10.000929
80	7524349	11364908	15546661	9.876457	10.000976
79	7523200	11357886	15562635	9.876391	10.001024
78	7522050	11350866	15578611	9.876324	10.001071
77	7520900	11343847	15594588	9.876258	10.001118
76	7519750	11336830	15610567	9.876192	10.001165
75	7518600	11329814	15626548	9.876125	10.001212
74	7517450	11322801	15642530	9.876059	10.001259
73	7516300	11315788	15658514	9.875992	10.001306
72	7515150	11308778	15674500	9.875926	10.001353
71	7514000	11301768	15690488	9.875859	10.001400
70	7512850	11294761	15706477	9.875792	10.001447
69	7511700	11287755	15722467	9.875726	10.001494
68	7510550	11280751	15738460	9.875659	10.001541
67	7509400	11273748	15754454	9.875593	10.001588
66	7508250	11266747	15770450	9.875526	10.001635
65	7507100	11259747	15786447	9.875459	10.001682
64	7505950	11252749	15802446	9.875392	10.001729
63	7504800	11245753	15818447	9.875326	10.001776
62	7503650	11238758	15834449	9.875259	10.001823
61	7502500	11231765	15850453	9.875192	10.001870
60	7501350	11224773	15866458	9.875125	10.001917
59	7499200	11217783	15882466	9.875059	10.001964
58	7498050	11210795	15898475	9.874992	10.002011
57	7496900	11203808	15914485	9.874925	10.002058
56	7495750	11196823	15930497	9.874858	10.002105
55	7494600	11189839	15946511	9.874791	10.002152
54	7493450	11182857	15962527	9.874724	10.002199
53	7492300	11175876	15978544	9.874657	10.002246
52	7491150	11168897	15994562	9.874590	10.002293
51	7490000	11161920	16010583	9.874523	10.002340
50	7488850	11154944	16026605	9.874456	10.002387

M	Sinits.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
50	6615300	8847351	13351934	9.821364	9.946808
51	6617107	8850364	13353986	9.821350	9.946661
52	6618814	8853477	13356050	9.821336	9.947114
53	6620521	8856591	13358114	9.821321	9.947266
54	6622227	8859706	13360179	9.821307	9.947419
55	6623934	8862822	13362245	9.821691	9.947572
56	6625640	8865939	13364313	9.821778	9.947725
57	6627346	8869056	13366382	9.821863	9.947877
58	6629051	8872173	13368451	9.821949	9.948030
59	6630757	8875290	13370522	9.822034	9.948183
60	6632462	8878415	13372593	9.822120	9.948335
61	6634167	8881537	13374666	9.822205	9.948488
62	6635872	8884659	13376740	9.822290	9.948641
63	6637576	8887783	13378815	9.822376	9.948793
64	6639281	8890907	13380891	9.822461	9.948946
65	6640985	8894033	13382967	9.822546	9.949099
66	6642689	8897159	13385045	9.822631	9.949251
67	6644393	8900287	13387124	9.822716	9.949404
68	6646097	8903415	13389205	9.822802	9.949556
69	6647800	8906544	13391286	9.822887	9.949709
70	6649503	8909675	13393368	9.822972	9.949862
71	6651206	8912806	13395451	9.823057	9.950014
72	6652909	8915938	13397535	9.823142	9.950167
73	6654612	8919072	13399621	9.823227	9.950319
74	6656314	8922206	13401707	9.823312	9.950472
75	6658016	8925341	13403795	9.823397	9.950625
76	6659718	8928477	13405883	9.823482	9.950777
77	6661420	8931614	13407973	9.823567	9.950930
78	6663122	8934753	13410063	9.823651	9.951082
79	6664823	8937892	13412155	9.823736	9.951235
80	6666525	8941032	13414248	9.823821	9.951387
81	6668226	8944173	13416342	9.823906	9.951540
82	6669926	8947315	13418437	9.823991	9.951693
83	6671627	8950457	13420533	9.824075	9.951845
84	6673327	8953602	13422630	9.824160	9.951998
85	6675027	8956747	13424728	9.824245	9.952150
86	6676727	8959893	13426827	9.824329	9.952303
87	6678427	8963040	13428927	9.824414	9.952455
88	6680127	8966188	13431028	9.824498	9.952608
89	6681826	8969337	13433131	9.824583	9.952760
90	6683525	8972487	13435234	9.824667	9.952913
91	6685224	8975638	13437339	9.824752	9.953065
92	6686923	8978789	13439444	9.824836	9.953218
93	6688622	8981942	13441551	9.824921	9.953370
94	6690320	8985096	13443658	9.825005	9.953523
95	6692018	8988251	13445767	9.825089	9.953675
96	6693716	8991407	13447877	9.825174	9.953827
97	6695414	8994564	13449988	9.825258	9.953980
98	6697111	8997722	13452100	9.825342	9.954132
99	6698809	9000880	13454213	9.825426	9.954285
—	6681306	9004040	13456327	9.825511	9.954437

M	Sinus.	Tangen.	Secant.	Lo. Sin	Lo. Tan.
10	7489557	11302944	15091605	9.874456	10.053191
49	7488400	11293969	15088628	9.874389	10.053039
48	7487244	11284997	15085654	9.874322	10.052886
47	7486087	11276025	15082681	9.874255	10.052733
46	7484929	11267056	15079709	9.874188	10.052580
45	7483772	11258087	15076739	9.874120	10.052428
44	7482614	11249121	15073771	9.874053	10.052275
43	7481456	11240156	15070805	9.873986	10.052122
42	7480298	11231193	15067840	9.873919	10.051970
41	7479139	11222231	15064876	9.873851	10.051817
40	7477981	11213271	15061915	9.873784	10.051664
39	7476822	11204312	15058954	9.873717	10.051512
38	7475663	11195355	15055996	9.873650	10.051359
37	7474505	11186399	15053039	9.873582	10.051206
36	7473344	11177445	15050084	9.873515	10.051054
35	7472184	11168493	15047130	9.873447	10.050901
34	7471024	11159542	15044178	9.873380	10.050748
33	7469864	11150593	15041228	9.873312	10.050596
32	7468703	11141645	15038279	9.873245	10.050443
31	7467543	11132698	15035332	9.873178	10.050291
30	7466382	11123754	15032387	9.873110	10.050138
29	7465220	11114810	15029443	9.873042	10.049985
28	7464059	11105869	15026500	9.872975	10.049833
27	7462897	11096920	15023560	9.872907	10.049680
26	7461736	11087990	15020621	9.872840	10.049528
25	7460574	11079053	15017683	9.872772	10.049375
24	7459411	11070118	15014747	9.872704	10.049222
23	7458249	11061184	15011813	9.872637	10.049070
22	7457086	11052251	15008880	9.872569	10.048917
21	7455923	11043320	15005949	9.872501	10.048765
20	7454760	11034391	15003020	9.872433	10.048612
19	7453596	11025463	15000092	9.872366	10.048460
18	7452433	11016537	14997166	9.872298	10.048307
17	7451269	11007612	14994241	9.872230	10.048155
16	7450105	11008689	14991318	9.872162	10.048002
15	7448940	11009767	14988397	9.872094	10.047849
14	7447776	11000847	14985477	9.872026	10.047697
13	7446611	11001929	14982558	9.871958	10.047544
12	7445446	11003012	14979642	9.871891	10.047392
11	7444281	11004096	14976727	9.871823	10.047239
10	7443115	11005182	14973813	9.871755	10.047087
9	7441950	11006269	14970901	9.871687	10.046934
8	7440784	11007358	14967991	9.871618	10.046782
7	7439617	11008449	14965082	9.871550	10.046629
6	7438451	11009541	14962175	9.871482	10.046477
5	7437284	11010634	14959269	9.871414	10.046325
4	7436118	11011730	14956365	9.871346	10.046172
3	7434951	11012826	14953463	9.871278	10.046020
2	7433783	11013924	14950562	9.871210	10.045867
1	7432616	11015024	14947663	9.871141	10.045715
0	7431448	11016125	14944765	9.871073	10.045562

M	Sin.	Tang.	Secant.	Lo. Sin.	Lo. Tan
0	6691306	900040	13458127	9.325511	9.974437
1	6692603	9007201	13458443	9.325595	9.974590
2	6693900	9013363	13458759	9.325679	9.974742
3	6695196	9019526	13459076	9.325763	9.974895
4	6696492	9025689	13459394	9.325847	9.975047
5	6697788	9031854	13459714	9.325931	9.975199
6	6699084	9038023	13460034	9.326015	9.975351
7	6700380	9044187	13460356	9.326099	9.975504
8	6701676	9050355	13460679	9.326183	9.975657
9	6702971	9056523	13461003	9.326267	9.975809
10	6704266	9062693	13461328	9.326351	9.975961
11	6705561	9068864	13461654	9.326435	9.976114
12	6706856	9075030	13461981	9.326519	9.976266
13	6708150	9081209	13462309	9.326603	9.976418
14	6709444	9087382	13462638	9.326688	9.976571
15	6710738	9093557	13462968	9.326770	9.976723
16	6712032	9099733	13463290	9.326854	9.976875
17	6713326	9105910	13463612	9.326938	9.977028
18	6714619	9112087	13463936	9.327021	9.977180
19	6715913	9118266	13464260	9.327105	9.977332
20	6717206	9124446	13464586	9.327188	9.977485
21	6718498	9130627	13464913	9.327272	9.977637
22	6719791	9136809	13465241	9.327356	9.977789
23	6721084	9142992	13465569	9.327439	9.977941
24	6722376	9149175	13465899	9.327523	9.978093
25	6723668	9155360	13466228	9.327606	9.978245
26	6724960	9161546	13466558	9.327689	9.978397
27	6726251	9167733	13466888	9.327773	9.978549
28	6727543	9173921	13467218	9.327856	9.978701
29	6728834	9180110	13467548	9.327939	9.978853
30	6730125	9186300	13467878	9.328023	9.979005
31	6731416	9192491	13468208	9.328106	9.979157
32	6732706	9198683	13468538	9.328189	9.979309
33	6733997	9204875	13468868	9.328273	9.979461
34	6735287	9211069	13469198	9.328356	9.979613
35	6736577	9217264	13469528	9.328439	9.979765
36	6737867	9223460	13469858	9.328523	9.979917
37	6739156	9229657	13470188	9.328606	9.980069
38	6740446	9235855	13470518	9.328689	9.980221
39	6741735	9242053	13470848	9.328773	9.980373
40	6743024	9248251	13471178	9.328856	9.980525
41	6744312	9254450	13471508	9.328939	9.980677
42	6745601	9260650	13471838	9.329023	9.980829
43	6746889	9266851	13472168	9.329106	9.980981
44	6748177	9273053	13472498	9.329189	9.981133
45	6749465	9279255	13472828	9.329273	9.981285
46	6750753	9285458	13473158	9.329356	9.981437
47	6752041	9291662	13473488	9.329439	9.981589
48	6753328	9297867	13473818	9.329523	9.981741
49	6754615	9304073	13474148	9.329606	9.981893
50	6755902	9310280	13474478	9.329689	9.982045

M.	Sine.	Tangen.	Secant.	Lo. Sin.	Log. Tan.
100	7431448	11106125	14944765	9.871073	10.045563
99	7430280	11103228	14941869	9.871005	10.045470
98	7429111	11098331	14938975	9.870937	10.045378
97	7427943	11094437	14936082	9.870868	10.045285
96	7426775	11090545	14933190	9.870800	10.045193
95	7425606	11086653	14930301	9.870732	10.045100
94	7424437	11082763	14927412	9.870663	10.045008
93	7423268	11078875	14924526	9.870595	10.044915
92	7422098	11074988	14921641	9.870526	10.044823
91	7420928	11071103	14918757	9.870458	10.044731
90	7419758	11067219	14915875	9.870390	10.044638
89	7418588	11063337	14912995	9.870321	10.044546
88	7417418	11059456	14910116	9.870253	10.044454
87	7416247	11055577	14907238	9.870184	10.044361
86	7415076	11051699	14904363	9.870115	10.044269
85	7413905	11047822	14901489	9.870047	10.044176
84	7412733	11043948	14898617	9.869978	10.044084
83	7411562	11040074	14895746	9.869910	10.043992
82	7410390	11036202	14892876	9.869841	10.043900
81	7409218	11032332	14890008	9.869772	10.043808
80	7408046	11028463	14887142	9.869703	10.043715
79	7406873	11024596	14884277	9.869635	10.043623
78	7405701	11020730	14881414	9.869566	10.043531
77	7404528	11016866	14878553	9.869497	10.043439
76	7403354	11013003	14875692	9.869428	10.043347
75	7402181	11009141	14872834	9.869360	10.043255
74	7401007	11005281	14869977	9.869291	10.043163
73	7399834	11001423	14867122	9.869222	10.043071
72	7398660	10997566	14864268	9.869153	10.042979
71	7397484	10993710	14861415	9.869084	10.042887
70	7396311	10989856	14858565	9.869015	10.042795
69	7395136	10986004	14855715	9.868946	10.042703
68	7393961	10982153	14852868	9.868877	10.042611
67	7392786	10978303	14850021	9.868808	10.042519
66	7391610	10974455	14847177	9.868739	10.042427
65	7390435	10970608	14844334	9.868670	10.042335
64	7389259	10966763	14841492	9.868601	10.042243
63	7388083	10962919	14838652	9.868532	10.042151
62	7386907	10959077	14835814	9.868462	10.042059
61	7385730	10955236	14832977	9.868393	10.041967
60	7384553	10951397	14830142	9.868324	10.041875
59	7383376	10947559	14827308	9.868255	10.041783
58	7382199	10943723	14824475	9.868186	10.041691
57	7381022	10939888	14821645	9.868116	10.041599
56	7379844	10936055	14818815	9.868047	10.041507
55	7378666	10932223	14815988	9.867978	10.041415
54	7377488	10928392	14813162	9.867908	10.041323
53	7376310	10924562	14810337	9.867839	10.041231
52	7375131	10920736	14807514	9.867770	10.041139
51	7373953	10916909	14804692	9.867700	10.041047
50	7372773	10913085	14801873	9.867631	10.040955

M	Minus	Tang	Secant	Lo. Sin.	Lo. Tan
50	675592	916312	13563417	9.829681	9.962052
51	675718	916652	13565587	9.829700	9.962204
52	675847	916975	13567757	9.829849	9.962357
53	675976	917299	13569929	9.829931	9.962509
54	6761047	9176163	13572102	9.830014	9.962661
55	6762333	9179378	13574277	9.830095	9.962812
56	6763619	9182595	13576452	9.830179	9.962965
57	6764904	9185812	13578628	9.830261	9.963117
58	6766190	9189031	13580806	9.830344	9.963270
59	6767475	9192251	13582985	9.830426	9.963422
60	6768759	9195471	13585164	9.830509	9.963574
61	6770044	9198693	13587345	9.830591	9.963726
62	6771329	9201915	13589527	9.830674	9.963878
63	6772613	9205139	13591710	9.830756	9.964030
64	6773897	9208364	13593894	9.830838	9.964182
65	6775181	9211590	13596080	9.830921	9.964334
66	6776464	9214817	13598266	9.831003	9.964487
67	6777748	9218044	13600454	9.831085	9.964639
68	6779031	9221273	13602642	9.831167	9.964791
69	6780314	9224503	13604832	9.831250	9.964943
70	6781596	9227734	13607023	9.831332	9.965095
71	6782879	9230966	13609215	9.831414	9.965247
72	6784161	9234199	13611408	9.831496	9.965399
73	6785444	9237433	13613603	9.831578	9.965551
74	6786726	9240668	13615798	9.831660	9.965703
75	6788007	9243905	13617994	9.831742	9.965855
76	6789288	9247142	13620192	9.831824	9.966007
77	6790570	9250380	13622391	9.831906	9.966159
78	6791851	9253620	13624591	9.831988	9.966311
79	6793132	9256860	13626792	9.832070	9.966464
80	6794413	9260101	13628994	9.832152	9.966616
81	6795695	9263344	13631197	9.832234	9.966768
82	6796974	9266587	13633402	9.832315	9.966920
83	6798254	9269832	13635607	9.832397	9.967072
84	6799534	9273077	13637814	9.832479	9.967224
85	6800813	9276324	13640022	9.832561	9.967376
86	6802093	9279572	13642230	9.832642	9.967528
87	6803372	9282821	13644441	9.832724	9.967680
88	6804651	9286070	13646652	9.832806	9.967832
89	6805930	9289321	13648864	9.832887	9.967984
90	6807208	9292573	13651077	9.832969	9.968136
91	6808487	9295826	13653292	9.833050	9.968288
92	6809765	9299080	13655508	9.833132	9.968440
93	6811043	9302335	13657725	9.833213	9.968592
94	6812321	9305592	13659943	9.833295	9.968744
95	6813599	9308849	13662162	9.833376	9.968896
96	6814876	9312107	13664382	9.833458	9.969048
97	6816153	9315366	13666603	9.833539	9.969200
98	6817430	9318627	13668826	9.833621	9.969352
99	6818707	9321888	13671050	9.833702	9.969504
—	6819983	9325145	13673274	9.833783	9.969656



N	Sinus	Tangens	Secant.	Lo. Sin.	Lo. Tan.
50	7372773	10913055	14801572	9.867631	10.037947
49	7371594	10909392	14799054	9.867561	10.037795
48	7370414	10905740	14796537	9.867492	10.037643
47	7369235	10902100	14794021	9.867422	10.037491
46	7368055	10898461	14791507	9.867353	10.037339
45	7366875	10894833	14789000	9.867283	10.037187
44	7365694	10891216	14786484	9.867214	10.037035
43	7364514	10887600	14783974	9.867144	10.036882
42	7363333	10884000	14781466	9.867074	10.036730
41	7362152	10880400	14778960	9.867005	10.036578
40	7360971	10876818	14776455	9.866935	10.036426
39	7359789	10873240	14773952	9.866865	10.036274
38	7358607	10869670	14771450	9.866795	10.036122
37	7357426	10866100	14768950	9.866726	10.035969
36	7356243	10862530	14766451	9.866656	10.035817
35	7355061	10858960	14763954	9.866586	10.035665
34	7353878	10855400	14761458	9.866516	10.035513
33	7352696	10851838	14758963	9.866446	10.035361
32	7351513	10848280	14756471	9.866377	10.035210
31	7350329	10844720	14753979	9.866307	10.035057
30	7349146	10841160	14751490	9.866237	10.034905
29	7347962	10837600	14749001	9.866167	10.034753
28	7346778	10834040	14746515	9.866097	10.034601
27	7345594	10830480	14744027	9.866027	10.034448
26	7344410	10826920	14741546	9.865957	10.034296
25	7343225	10823360	14739063	9.865887	10.034144
24	7342040	10819800	14736583	9.865817	10.033992
23	7340855	10816240	14734103	9.865746	10.033840
22	7339670	10812680	14731625	9.865676	10.033688
21	7338484	10809120	14729149	9.865606	10.033536
20	7337298	10805560	14726671	9.865536	10.033384
19	7336112	10802000	14724195	9.865466	10.033232
18	7334926	10798440	14721720	9.865396	10.033080
17	7333740	10794880	14719245	9.865325	10.032928
16	7332553	10791320	14716771	9.865255	10.032776
15	7331366	10787760	14714298	9.865185	10.032624
14	7330179	10784200	14711827	9.865114	10.032472
13	7328992	10780640	14709357	9.865044	10.032320
12	7327805	10777080	14706889	9.864974	10.032168
11	7326617	10773520	14704421	9.864903	10.032016
10	7325429	10769960	14701953	9.864833	10.031864
9	7324241	10766400	14699484	9.864762	10.031712
8	7323052	10762840	14697015	9.864692	10.031560
7	7321864	10759280	14694546	9.864621	10.031408
6	7320675	10755720	14692077	9.864551	10.031256
5	7319486	10752160	14689608	9.864480	10.031104
4	7318296	10748600	14687139	9.864410	10.030952
3	7317107	10745040	14684670	9.864339	10.030800
2	7315917	10741480	14682201	9.864269	10.030648
1	7314727	10737920	14679732	9.864198	10.030496
0	7313537	10734360	14677263	9.864127	10.030344

	Sin.	Tang.	Secant.	Lo. Sin.	Lo. Tan.
0	6819083	9324151	13673374	9.833783	9.969666
1	6821260	9324414	13675500	9.833864	9.969808
2	6823436	9324679	13677727	9.833946	9.969960
3	6825612	9324945	13679956	9.834027	9.970112
4	6827788	9325211	13682185	9.834108	9.970264
5	6829964	9325479	13684416	9.834189	9.970415
6	6832140	9325748	13686647	9.834270	9.970567
7	6834316	9326018	13688880	9.834351	9.970719
8	6836492	9326289	13691114	9.834432	9.970871
9	6838668	9326561	13693349	9.834514	9.971023
10	6840844	9326834	13695585	9.834595	9.971175
11	6843020	9327109	13697823	9.834676	9.971327
12	6845196	9327384	13700061	9.834756	9.971479
13	6847372	9327660	13702301	9.834837	9.971631
14	6849548	9327938	13704542	9.834918	9.971783
15	6851724	9328216	13706784	9.834999	9.971935
16	6853900	9328496	13709027	9.835080	9.972087
17	6856076	9328776	13711271	9.835161	9.972239
18	6858252	9329058	13713517	9.835242	9.972390
19	6860428	9329341	13715764	9.835322	9.972542
20	6862604	9329625	13718011	9.835403	9.972694
21	6864780	9329910	13720260	9.835484	9.972846
22	6866956	9330196	13722510	9.835564	9.972998
23	6869132	9330483	13724762	9.835645	9.973150
24	6871308	9330771	13727014	9.835726	9.973302
25	6873484	9331060	13729267	9.835806	9.973454
26	6875660	9331351	13731522	9.835887	9.973606
27	6877836	9331642	13733778	9.835967	9.973757
28	6880012	9331935	13736035	9.836048	9.973909
29	6882188	9332228	13738293	9.836128	9.974061
30	6884364	9332523	13740553	9.836209	9.974213
31	6886540	9332819	13742813	9.836289	9.974365
32	6888716	9333116	13745075	9.836370	9.974517
33	6890892	9333414	13747338	9.836450	9.974669
34	6893068	9333713	13749602	9.836530	9.974821
35	6895244	9334013	13751867	9.836611	9.974973
36	6897420	9334314	13754133	9.836691	9.975124
37	6899596	9334616	13756401	9.836771	9.975276
38	6901772	9334920	13758669	9.836851	9.975428
39	6903948	9335224	13760939	9.836932	9.975580
40	6906124	9335530	13763210	9.837012	9.975732
41	6908300	9335836	13765482	9.837092	9.975883
42	6910476	9336144	13767756	9.837172	9.976035
43	6912652	9336453	13770030	9.837252	9.976187
44	6914828	9336763	13772306	9.837332	9.976339
45	6917004	9337074	13774583	9.837412	9.976491
46	6919180	9337386	13776861	9.837492	9.976643
47	6921356	9337699	13779140	9.837572	9.976794
48	6923532	9338014	13781422	9.837652	9.976946
49	6925708	9338329	13783702	9.837732	9.977098
50	6927884	9338645	13785985	9.837812	9.977250

Alt.	Staus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	7114537	10712687	14668992	9.864127	10.030344
99	7112465	10712995	14660048	9.864057	10.030192
98	7111566	10713185	14657306	9.863985	10.030040
97	7109905	10712436	14654916	9.863915	10.029888
96	7108774	10708688	14651826	9.863844	10.029736
95	7107582	10704342	14649088	9.863774	10.029584
94	7106391	10701198	14646352	9.863703	10.029432
93	7105199	10697454	14643617	9.863632	10.029280
92	7104007	10693712	14640884	9.863561	10.029128
91	7102815	10689972	14638152	9.863490	10.028976
90	7101623	10686233	14635422	9.863419	10.028824
89	7100430	10682495	14632693	9.863348	10.028673
88	7099237	10678759	14629965	9.863277	10.028521
87	7098044	10675024	14627239	9.863206	10.028369
86	7096851	10671290	14624515	9.863135	10.028217
85	7095657	10667558	14621792	9.863064	10.028065
84	7094465	10663827	14619070	9.862993	10.027913
83	7093269	10660098	14616350	9.862922	10.027761
82	7092075	10656370	14613631	9.862851	10.027609
81	7090881	10652643	14610914	9.862780	10.027457
80	7089686	10648918	14608198	9.862709	10.027305
79	7088491	10645194	14605484	9.862637	10.027153
78	7087296	10641472	14602771	9.862566	10.027002
77	7086101	10637751	14600060	9.862495	10.026850
76	7084905	10634031	14597350	9.862424	10.026698
75	7083709	10630313	14594641	9.862352	10.026546
74	7082514	10626596	14591934	9.862281	10.026394
73	7081317	10622880	14589227	9.862210	10.026242
72	7080122	10619166	14586524	9.862138	10.026090
71	7078924	10615453	14583822	9.862067	10.025938
70	7077727	10611742	14581120	9.861996	10.025786
69	7076530	10608032	14578420	9.861924	10.025635
68	7075333	10604323	14575722	9.861853	10.025483
67	7074135	10600616	14573025	9.861781	10.025331
66	7072938	10596910	14570330	9.861710	10.025179
65	7071740	10593205	14567635	9.861638	10.025027
64	7070542	10589502	14564943	9.861567	10.024875
63	7069343	10585801	14562252	9.861495	10.024724
62	7068144	10582100	14559562	9.861423	10.024572
61	7066946	10578401	14556874	9.861352	10.024420
60	7065747	10574703	14554187	9.861280	10.024268
59	7064547	10571007	14551501	9.861208	10.024116
58	7063348	10567312	14548817	9.861137	10.023964
57	7062148	10563618	14546135	9.861065	10.023812
56	7060948	10559926	14543453	9.860993	10.023661
55	7059748	10556235	14540774	9.860921	10.023509
54	7058547	10552546	14538095	9.860850	10.023357
53	7057346	10548857	14535419	9.860778	10.023205
52	7056146	10545171	14532743	9.860706	10.023053
51	7054945	10541485	14530069	9.860634	10.022902
50	7053744	10537801	14527397	9.860562	10.022750

M	Sinus.	Tang.	Secan.	Lo. Sin.	Lo. Tan.
50	6883546	9459545	13785985	9.837812	9.977250
51	6884811	9492963	13788268	9.837892	9.977402
52	6886077	9496282	13790554	9.837972	9.977553
53	6887343	9499502	13792840	9.838052	9.977705
54	6888608	9502722	13795127	9.838131	9.977857
55	6889873	9505945	13797416	9.838211	9.978009
56	6891138	9509168	13799706	9.838291	9.978161
57	6892403	9512392	13801997	9.838370	9.978312
58	6893667	9515617	13804289	9.838450	9.978464
59	6894931	9518844	13806582	9.838530	9.978616
60	6896195	9522071	13808877	9.838609	9.978768
61	6897459	9525299	13811172	9.838689	9.978919
62	6898723	9528529	13813469	9.838768	9.979071
63	6899986	9531760	13815767	9.838848	9.979223
64	6901249	9535012	13818056	9.838928	9.979375
65	6902512	9538255	13820367	9.839007	9.979527
66	6903775	9541485	13822669	9.839086	9.979678
67	6905038	9544695	13824971	9.839166	9.979830
68	6906300	9547931	13827275	9.839245	9.979982
69	6907562	9551169	13829581	9.839325	9.980134
70	6908824	9554407	13831887	9.839404	9.980285
71	6910086	9557651	13834195	9.839483	9.980437
72	6911347	9560898	13836503	9.839563	9.980589
73	6912608	9564130	13838813	9.839642	9.980741
74	6913869	9567365	13841124	9.839721	9.980893
75	6915130	9570607	13843437	9.839800	9.981044
76	6916391	9573846	13845750	9.839879	9.981196
77	6917651	9577089	13848065	9.839958	9.981348
78	6918912	9580327	13850381	9.840038	9.981499
79	6920172	9583565	13852698	9.840117	9.981651
80	6921432	9586805	13855016	9.840196	9.981803
81	6922691	9590046	13857336	9.840275	9.981955
82	6923951	9593286	13859657	9.840354	9.982106
83	6925210	9596521	13861979	9.840433	9.982258
84	6926469	9600000	13864302	9.840512	9.982410
85	6927727	9603421	13866626	9.840591	9.982561
86	6928986	9606847	13868952	9.840669	9.982713
87	6930244	9610271	13871278	9.840748	9.982865
88	6931502	9613694	13873606	9.840827	9.983017
89	6932760	9617119	13875935	9.840906	9.983169
90	6934018	9620545	13878266	9.840985	9.983320
91	6935276	9623977	13880597	9.841064	9.983472
92	6936533	9627404	13882930	9.841142	9.983623
93	6937790	9630830	13885264	9.841221	9.983775
94	6939047	9634257	13887599	9.841300	9.983927
95	6940303	9637683	13889930	9.841378	9.984079
96	6941560	9641109	13892273	9.841457	9.984230
97	6942816	9644534	13894612	9.841535	9.984382
98	6944072	9647959	13896952	9.841614	9.984534
99	6945328	9651385	13899293	9.841693	9.984685
—	6946584	9654811	13901636	9.841771	9.984837

M	Sin.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
70	7253744	10537801	14527397	9.860562	10.022750
49	7253542	10534118	14524725	9.860490	10.022558
48	7251340	10530437	14522056	9.860418	10.022446
47	7250138	10526757	14519387	9.860346	10.022294
46	7248936	10523078	14516720	9.860274	10.022143
45	7247734	10519401	14514055	9.860202	10.021991
44	7246531	10515725	14511391	9.860130	10.021839
43	7245328	10512050	14508728	9.860058	10.021687
42	7244125	10508377	14506067	9.859986	10.021535
41	7242922	10504705	14503407	9.859914	10.021384
40	7241718	10501034	14500749	9.859841	10.021232
39	7240515	10497365	14498092	9.859769	10.021080
38	7239311	10493697	14495436	9.859697	10.020928
37	7238107	10490031	14492782	9.859625	10.020777
36	7236902	10486365	14490130	9.859553	10.020625
35	7235698	10482701	14487478	9.859480	10.020473
34	7234493	10479039	14484828	9.859408	10.020321
33	7233288	10475378	14482180	9.859336	10.020169
32	7232082	10471718	14479533	9.859263	10.020018
31	7230877	10468059	14476887	9.859191	10.019866
30	7229671	10464402	14474243	9.859118	10.019714
29	7228465	10460746	14471600	9.859046	10.019562
28	7227259	10457092	14468959	9.858973	10.019411
27	7226053	10453438	14466319	9.858901	10.019259
26	7224846	10449787	14463680	9.858828	10.019107
25	7223639	10446136	14461043	9.858756	10.018955
24	7222432	10442487	14458407	9.858683	10.018804
23	7221225	10438839	14455772	9.858611	10.018652
22	7220018	10435192	14453139	9.858538	10.018500
21	7218810	10431547	14450508	9.858465	10.018349
20	7217602	10427903	14447878	9.858393	10.018197
19	7216394	10424261	14445249	9.858320	10.018045
18	7215186	10420620	14442621	9.858247	10.017893
17	7213977	10416980	14440095	9.858175	10.017742
16	7212768	10413341	14437571	9.858102	10.017590
15	7211559	10409704	14435047	9.858029	10.017438
14	7210350	10406068	14432526	9.857956	10.017286
13	7209141	10402433	14429905	9.857883	10.017135
12	7207931	10398800	14427286	9.857810	10.016983
11	7206721	10395168	14424668	9.857738	10.016831
10	7205511	10391537	14422052	9.857665	10.016680
9	7204301	10387908	14419437	9.857592	10.016528
8	7203090	10384280	14416824	9.857519	10.016376
7	7201879	10380653	14414211	9.857446	10.016224
6	7200668	10377028	14411591	9.857373	10.016073
5	7199457	10373404	14408991	9.857300	10.015921
4	7198246	10369781	14406393	9.857226	10.015769
3	7197034	10366159	14403797	9.857153	10.015618
2	7195822	10362539	14401201	9.857080	10.015466
1	7194610	10358920	14398608	9.857007	10.015314
0	7193398	10355303	14396015	9.856934	10.015163

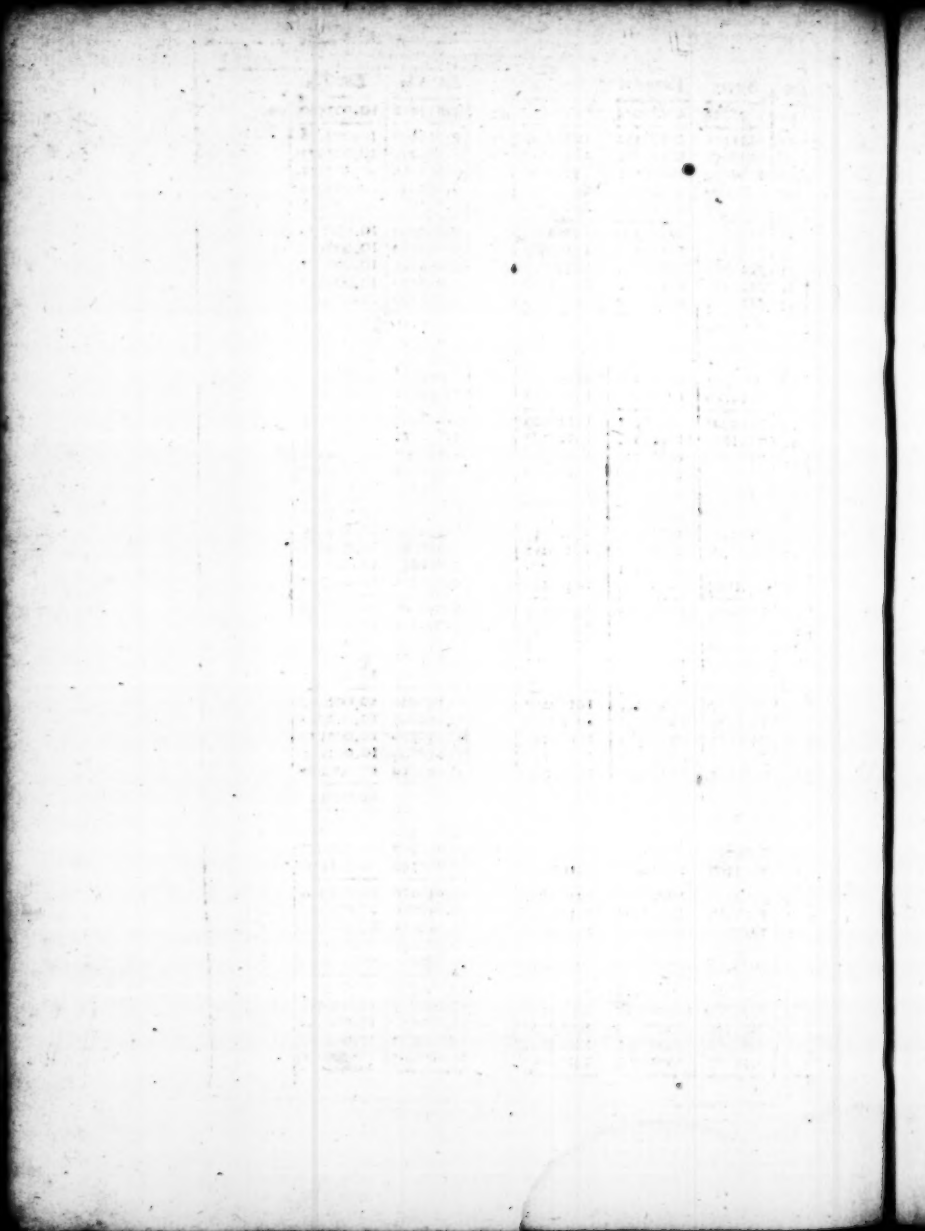
M	Sinus.	Tang.	Secant.	Lo. Sin.	Lo Tan.
0	69.6584	965668	13901735	9.841771	9.984837
1	69.47439	9650251	13903799	9.841750	9.984829
2	69.49024	9651636	13905324	9.841728	9.984810
3	69.52349	9670712	13908670	9.842006	9.985129
4	69.51604	9670388	13911018	9.842085	9.985444
5	69.52858	9673766	13913366	9.842163	9.985595
6	69.54113	9677146	13915716	9.842242	9.985747
7	69.55367	9680526	13918067	9.842320	9.985899
8	69.56621	9683908	13920419	9.842398	9.986050
9	69.57874	9687290	13922772	9.842476	9.986202
10	69.59128	9690674	13925127	9.842555	9.986354
11	69.60381	9694059	13927483	9.842633	9.986505
12	69.61634	9697445	13929840	9.842711	9.986657
13	69.62887	9700832	13932198	9.842789	9.986809
14	69.64140	9704221	13934558	9.842867	9.986960
15	69.65392	9707610	13936918	9.842945	9.987112
16	69.66644	9711001	13939280	9.843023	9.987264
17	69.67896	9714393	13941641	9.843101	9.987415
18	69.69148	9717786	13944007	9.843179	9.987567
19	69.70399	9721180	13946373	9.843257	9.987719
20	69.71651	9724575	13948740	9.843335	9.987870
21	69.72902	9727971	13951108	9.843413	9.988022
22	69.74153	9731369	13953478	9.843491	9.988174
23	69.75404	9734768	13955848	9.843569	9.988325
24	69.76654	9738167	13958220	9.843647	9.988477
25	69.77904	9741569	13960593	9.843725	9.988629
26	69.79154	9744971	13962967	9.843803	9.988780
27	69.80404	9748374	13965343	9.843880	9.988932
28	69.81654	9751778	13967719	9.843958	9.989084
29	69.82903	9755184	13970097	9.844036	9.989235
30	69.84153	9758591	13972476	9.844114	9.989387
31	69.85402	9761999	13974857	9.844191	9.989539
32	69.86650	9765408	13977238	9.844269	9.989690
33	69.87899	9768819	13979621	9.844346	9.989842
34	69.89147	9772230	13982005	9.844424	9.989993
35	69.90396	9775643	13984391	9.844502	9.990145
36	69.91644	9779056	13986777	9.844579	9.990297
37	69.92891	9782471	13989164	9.844657	9.990448
38	69.94139	9785888	13991554	9.844734	9.990600
39	69.95386	97.9305	13993945	9.844812	9.990752
40	69.96633	9792723	13996336	9.844889	9.990903
41	69.97880	9796143	13998729	9.844966	9.991055
42	69.99127	9799564	14001123	9.845044	9.991207
43	70.00373	9802986	14003518	9.845121	9.991358
44	70.01619	9806409	14005915	9.845198	9.991510
45	70.02865	9809833	14008313	9.845276	9.991661
46	70.04111	9813259	14010712	9.845353	9.991813
47	70.05357	9816686	14013112	9.845430	9.991965
48	70.06602	9820113	14015514	9.845507	9.992116
49	70.07847	9823542	14017916	9.845584	9.992268
50	70.09092	9826972	14020320	9.845662	9.992420

M.	Sinus.	Tangen.	Secant.	Lo. Sin.	Lo. Tan.
100	7193398	10355303	1439565	9.856934	10.015163
99	7192185	10351687	14392964	9.856861	10.015011
98	7190973	10348072	14390364	9.856787	10.014859
97	7189760	10344458	14387766	9.856714	10.014708
96	7188546	10340846	14385169	9.856641	10.014556
95	7187333	10337231	14382574	9.856568	10.014404
94	7186119	10333625	14379979	9.856494	10.014253
93	7184906	10330017	14377387	9.856421	10.014101
92	7183692	10326410	14374795	9.856347	10.013949
91	7182477	10322804	14372205	9.856274	10.013797
90	7181265	10319199	14369616	9.856201	10.013646
89	7180048	10315596	14367029	9.856127	10.013494
88	7178833	10311994	14364443	9.856054	10.013342
87	7177618	10308394	14361858	9.855980	10.013191
86	7176403	10304794	14359275	9.855907	10.013039
85	7175187	10301196	14356693	9.855833	10.012887
84	7173971	10297599	14354113	9.855759	10.012736
83	7172755	10294004	14351534	9.855686	10.012584
82	7171539	10290410	14348956	9.855612	10.012432
81	7170323	10286817	14346379	9.855539	10.012281
80	7169106	10283225	14343804	9.855465	10.012129
79	7167889	10279635	14341231	9.855391	10.011978
78	7166672	10276046	14338658	9.855317	10.011826
77	7165455	10272458	14336087	9.855244	10.011674
76	7164237	10268872	14333518	9.855170	10.011523
75	7163019	10265287	14330950	9.855096	10.011371
74	7161801	10261703	14328383	9.855022	10.011219
73	7160583	10258121	14325817	9.854948	10.011068
72	7159365	10254539	14323253	9.854874	10.010916
71	7158146	10250959	14320690	9.854800	10.010764
70	7156927	10247381	14318129	9.854726	10.010613
69	7155708	10243803	14315568	9.854652	10.010461
68	7154489	10240227	14313010	9.854578	10.010309
67	7153269	10236652	14310452	9.854504	10.010158
66	7152050	10233078	14307896	9.854430	10.010006
65	7150830	10229506	14305341	9.854356	10.009854
64	7149609	10225935	14302788	9.854282	10.009703
63	7148389	10222365	14300236	9.854208	10.009551
62	7147168	10218797	14297685	9.854134	10.009400
61	7145948	10215230	14295136	9.854060	10.009248
60	7144727	10211664	14292588	9.853986	10.009096
59	7143505	10208099	14290041	9.853911	10.008945
58	7142284	10204535	14287496	9.853837	10.008793
57	7141062	10200973	14284952	9.853763	10.008641
56	7139840	10197412	14282409	9.853688	10.008490
55	7138618	10193853	14279868	9.853614	10.008338
54	7137396	10190294	14277328	9.853540	10.008187
53	7136173	10186737	14274790	9.853465	10.008035
52	7134950	10183182	14272252	9.853391	10.007883
51	7133728	10179627	14269716	9.853316	10.007732
50	7132504	10176074	14267182	9.853242	10.007580



M.	Sin.	Lang.	Decant.	Lo. Sin.	Lo. Tan.
50	7003092	9325272	14020320	9.845662	9.992420
51	7010337	9830404	14022726	9.845739	9.992571
52	7015182	9833836	14025132	9.845816	9.992723
53	7018236	9837270	14027540	9.845893	9.992874
54	7014070	9840705	14029949	9.845970	9.993026
55	7015314	9844141	14032359	9.846047	9.993178
56	7016558	9847578	14034771	9.846124	9.993329
57	7017801	9851017	14037184	9.846201	9.993481
58	7019244	9854456	14039598	9.846278	9.993632
59	7020288	9857897	14042013	9.846355	9.993784
60	7021630	9861339	14044430	9.846432	9.993936
61	7022773	9864782	14046846	9.846509	9.994087
62	7024015	9868227	14049267	9.846585	9.994239
63	7025258	9871672	14051687	9.846662	9.994391
64	7026499	9875119	14054109	9.846739	9.994542
65	7027741	9878567	14056532	9.846816	9.994694
66	7028983	9882016	14058956	9.846893	9.994845
67	7030224	9885466	14061381	9.846969	9.994997
68	7031465	9888918	14063808	9.847046	9.995149
69	7032706	9892371	14066236	9.847122	9.995300
70	7033947	9895825	14068665	9.847199	9.995452
71	7035187	9899280	14071095	9.847275	9.995603
72	7036428	9902735	14073523	9.847352	9.995755
73	7037668	9906191	14075951	9.847429	9.995907
74	7038907	9909652	14078385	9.847505	9.996058
75	7040147	9913112	14080830	9.847582	9.996210
76	7041386	9916573	14083267	9.847658	9.996361
77	7042625	9920035	14085705	9.847734	9.996513
78	7043865	9923499	14088145	9.847811	9.996665
79	7045103	9926953	14090585	9.847887	9.996816
80	7046342	9930429	14093027	9.847964	9.996968
81	7047580	9933896	14095471	9.848040	9.997119
82	7048818	9937365	14097915	9.848116	9.997271
83	7050056	9940834	14100361	9.848192	9.997423
84	7051294	9944305	14102808	9.848269	9.997574
85	7052531	9947777	14105256	9.848345	9.997726
86	7053769	9951250	14107706	9.848421	9.997877
87	7055006	9954724	14110157	9.848497	9.998029
88	7056243	9958199	14112609	9.848573	9.998181
89	7057479	9961676	14115062	9.848649	9.998332
90	7058716	9965154	14117517	9.848725	9.998484
91	7059952	9968633	14119973	9.848802	9.998635
92	7061188	9972113	14122431	9.848878	9.998787
93	7062423	9975595	14124889	9.848954	9.998939
94	7063659	9979078	14127349	9.849030	9.999090
95	7064894	9982562	14129810	9.849105	9.999242
96	7066129	9986047	14132273	9.849181	9.999393
97	7067364	9989533	14134736	9.849257	9.999545
98	7068599	9993021	14137201	9.849333	9.999697
99	7069833	9996510	14139668	9.849409	9.999848
—	7071068	10000000	14142135	9.849485	10.000000

M	Sinus	Tangens	Secant.	Lo. Sin.	Lo. Tan.
50	7132504	10176074	14267182	9.853242	10.007580
49	7131281	10172522	14264648	9.853167	10.007428
48	7130057	10168971	14262117	9.853093	10.007277
47	7128833	10165421	14259586	9.853018	10.007125
46	7127609	10161873	14257057	9.852944	10.006974
45	7126385	10158326	14254529	9.852869	10.006822
44	7125160	10154780	14252002	9.852794	10.006670
43	7123936	10151236	14249477	9.852720	10.006519
42	7122711	10147693	14246953	9.852645	10.006367
41	7121486	10144151	14244430	9.852570	10.006216
40	7120260	10140610	14241901	9.852496	10.006065
39	7119035	10137071	14239359	9.852421	10.005912
38	7117809	10133532	14236870	9.852346	10.005761
37	7116583	10129995	14234353	9.852271	10.005609
36	7115357	10126460	14231837	9.852196	10.005457
35	7114130	10122925	14229322	9.852122	10.005306
34	7112903	10119392	14226809	9.852047	10.005154
33	7111677	10115860	14224297	9.851972	10.005003
32	7110449	10112329	14221786	9.851897	10.004851
31	7109222	10108800	14219277	9.851822	10.004699
30	7107995	10105272	14216769	9.851747	10.004548
29	7106767	10101745	14214262	9.851672	10.004396
28	7105539	10098219	14211757	9.851597	10.004245
27	7104311	10094695	14209252	9.851522	10.004093
26	7103082	10091171	14206750	9.851447	10.003941
25	7101854	10087649	14204248	9.851372	10.003790
24	7100625	10084128	14201748	9.851296	10.003638
23	7099396	10080609	14199249	9.851221	10.003487
22	7098166	10077091	14196752	9.851146	10.003335
21	7096937	10073574	14194255	9.851071	10.003183
20	7095707	10070058	14191760	9.850995	10.003032
19	7094477	10066543	14189267	9.850920	10.002880
18	7093247	10063030	14186774	9.850845	10.002729
17	7092017	10059518	14184283	9.850770	10.002577
16	7090786	10056007	14181794	9.850694	10.002425
15	7089555	10052497	14179305	9.850619	10.002274
14	7088324	10048989	14176818	9.850543	10.002122
13	7087093	10045482	14174332	9.850468	10.001971
12	7085862	10041976	14171848	9.850392	10.001819
11	7084630	10038471	14169365	9.850317	10.001667
10	7083398	10034967	14166883	9.850241	10.001516
9	7082166	10031465	14164402	9.850166	10.001364
8	7080934	10027964	14161922	9.850090	10.001213
7	7079701	10024464	14159445	9.850015	10.001061
6	7078469	10020966	14156968	9.849939	10.000909
5	7077236	10017468	14154493	9.849863	10.000757
4	7076002	10013972	14152019	9.849788	10.000606
3	7074769	10010477	14149546	9.849712	10.000455
2	7073535	10006984	14147075	9.849636	10.000303
1	7072302	10003491	14144604	9.849561	10.000151
0	7071068	10000000	14142135	9.849485	10.000000



# CHILLADES

## Decem Logarithmorum,

*Pro Numeris naturali serie*

*crescentibus ab unitate ad 10000.*

Quorum ope, & Tabulæ partium proportion-  
narium annexæ omnium numerorum Logarithmi  
usque ad 100.000 inveniantur.

### *Tabula Logarithmorum.*

N Logarit.	N Logarit.	N Logarit.	N Logarit.	N Logarit.
1 0.000000	21 1.322219	41 1.612784	61 1.785330	81 1.908485
2 0.301030	22 1.342422	42 1.621249	62 1.792392	82 1.913814
3 0.477121	23 1.361728	43 1.630468	63 1.799341	83 1.919078
4 0.602060	24 1.380211	44 1.639453	64 1.806180	84 1.924279
5 0.698970	25 1.397940	45 1.648212	65 1.812913	85 1.929419
6 0.778151	26 1.414973	46 1.656758	66 1.819545	86 1.934498
7 0.845098	27 1.431364	47 1.665008	67 1.826075	87 1.939519
8 0.903090	28 1.447158	48 1.672241	68 1.832509	88 1.944483
9 0.954242	29 1.462398	49 1.679366	69 1.838849	89 1.949390
10 1.000000	30 1.477121	50 1.686370	70 1.845090	90 1.954242
11 1.041393	31 1.491361	51 1.693250	71 1.851258	91 1.959041
12 1.079181	32 1.505150	52 1.70003	72 1.857332	92 1.963784
13 1.113943	33 1.518514	53 1.706276	73 1.863323	93 1.968483
14 1.146128	34 1.531479	54 1.712394	74 1.869222	94 1.973123
15 1.176091	35 1.544068	55 1.718436	75 1.875061	95 1.977721
16 1.204120	36 1.556302	56 1.724388	76 1.880814	96 1.982271
17 1.230449	37 1.568202	57 1.730255	77 1.886491	97 1.986772
18 1.255273	38 1.579733	58 1.736043	78 1.892098	98 1.991226
19 1.278753	39 1.591065	59 1.741752	79 1.897627	99 1.995635
20 1.301030	40 1.602260	60 1.747311	80 1.903089	100 2.000000

N	0	1	2	3	4	5	6	7	8	9	D
100	00000	00434	00868	01301	01734	02166	02598	03029	03461	03891	432
101	00434	00868	01301	01734	02166	02598	03029	03461	03891	04322	432
102	00868	01301	01734	02166	02598	03029	03461	03891	04322	04752	432
103	01301	01734	02166	02598	03029	03461	03891	04322	04752	05181	419
104	01734	02166	02598	03029	03461	03891	04322	04752	05181	05609	419
105	02166	02598	03029	03461	03891	04322	04752	05181	05609	06036	412
106	02598	03029	03461	03891	04322	04752	05181	05609	06036	06462	408
107	03029	03461	03891	04322	04752	05181	05609	06036	06462	06887	404
108	03461	03891	04322	04752	05181	05609	06036	06462	06887	07311	400
109	03891	04322	04752	05181	05609	06036	06462	06887	07311	07734	396
110	04322	04752	05181	05609	06036	06462	06887	07311	07734	08156	392
111	04752	05181	05609	06036	06462	06887	07311	07734	08156	08577	389
112	05181	05609	06036	06462	06887	07311	07734	08156	08577	08997	386
113	05609	06036	06462	06887	07311	07734	08156	08577	08997	09416	382
114	06036	06462	06887	07311	07734	08156	08577	08997	09416	09834	379
115	06462	06887	07311	07734	08156	08577	08997	09416	09834	10251	376
116	06887	07311	07734	08156	08577	08997	09416	09834	10251	10667	372
117	07311	07734	08156	08577	08997	09416	09834	10251	10667	11082	369
118	07734	08156	08577	08997	09416	09834	10251	10667	11082	11496	366
119	08156	08577	08997	09416	09834	10251	10667	11082	11496	11909	363
120	08577	08997	09416	09834	10251	10667	11082	11496	11909	12321	360
121	08997	09416	09834	10251	10667	11082	11496	11909	12321	12732	357
122	09416	09834	10251	10667	11082	11496	11909	12321	12732	13142	355
123	09834	10251	10667	11082	11496	11909	12321	12732	13142	13551	351
124	10251	10667	11082	11496	11909	12321	12732	13142	13551	13959	348
125	10667	11082	11496	11909	12321	12732	13142	13551	13959	14366	346
126	11082	11496	11909	12321	12732	13142	13551	13959	14366	14772	343
127	11496	11909	12321	12732	13142	13551	13959	14366	14772	15177	340
128	11909	12321	12732	13142	13551	13959	14366	14772	15177	15581	338
129	12321	12732	13142	13551	13959	14366	14772	15177	15581	15984	335
130	12732	13142	13551	13959	14366	14772	15177	15581	15984	16386	333
131	13142	13551	13959	14366	14772	15177	15581	15984	16386	16787	330
132	13551	13959	14366	14772	15177	15581	15984	16386	16787	17187	328
133	13959	14366	14772	15177	15581	15984	16386	16787	17187	17586	325
134	14366	14772	15177	15581	15984	16386	16787	17187	17586	17984	323
135	14772	15177	15581	15984	16386	16787	17187	17586	17984	18381	321
136	15177	15581	15984	16386	16787	17187	17586	17984	18381	18777	318
137	15581	15984	16386	16787	17187	17586	17984	18381	18777	19172	315
138	15984	16386	16787	17187	17586	17984	18381	18777	19172	19566	313
139	16386	16787	17187	17586	17984	18381	18777	19172	19566	19959	311
140	16787	17187	17586	17984	18381	18777	19172	19566	19959	20351	309
141	17187	17586	17984	18381	18777	19172	19566	19959	20351	20742	307
142	17586	17984	18381	18777	19172	19566	19959	20351	20742	21132	305
143	17984	18381	18777	19172	19566	19959	20351	20742	21132	21521	303
144	18381	18777	19172	19566	19959	20351	20742	21132	21521	21909	301
145	18777	19172	19566	19959	20351	20742	21132	21521	21909	22296	299
146	19172	19566	19959	20351	20742	21132	21521	21909	22296	22682	297
147	19566	19959	20351	20742	21132	21521	21909	22296	22682	23067	295
148	19959	20351	20742	21132	21521	21909	22296	22682	23067	23451	293
149	20351	20742	21132	21521	21909	22296	22682	23067	23451	23834	291
150	20742	21132	21521	21909	22296	22682	23067	23451	23834	24216	289

**CHILIADES**  
**LOGARITHMORUM,**  
**Pro Numeris naturali**  
**serie crescentibus ab unitate**

ad 10000.

**A a**

CHILIADES  
LOGARITHMORUM

Pro Numeris naturalibus

construendis ab Iohanne

Wieribus

A



# Tabula Logarithmorum.

185

Num. Logarithm.	Num. Logarithm.	Num. Logarithm.	Num. Logarithm.
00000000	10000000	10000000	10000000
10000000	10000000	10000000	10000000
20000000	10000000	10000000	10000000
30000000	10000000	10000000	10000000
40000000	10000000	10000000	10000000
50000000	10000000	10000000	10000000
60000000	10000000	10000000	10000000
70000000	10000000	10000000	10000000
80000000	10000000	10000000	10000000
90000000	10000000	10000000	10000000
10000000	10000000	10000000	10000000
11000000	10000000	10000000	10000000
12000000	10000000	10000000	10000000
13000000	10000000	10000000	10000000
14000000	10000000	10000000	10000000
15000000	10000000	10000000	10000000
16000000	10000000	10000000	10000000
17000000	10000000	10000000	10000000
18000000	10000000	10000000	10000000
19000000	10000000	10000000	10000000
20000000	10000000	10000000	10000000
21000000	10000000	10000000	10000000
22000000	10000000	10000000	10000000
23000000	10000000	10000000	10000000
24000000	10000000	10000000	10000000
25000000	10000000	10000000	10000000
26000000	10000000	10000000	10000000
27000000	10000000	10000000	10000000
28000000	10000000	10000000	10000000
29000000	10000000	10000000	10000000
30000000	10000000	10000000	10000000
31000000	10000000	10000000	10000000
32000000	10000000	10000000	10000000
33000000	10000000	10000000	10000000
34000000	10000000	10000000	10000000
35000000	10000000	10000000	10000000
36000000	10000000	10000000	10000000
37000000	10000000	10000000	10000000
38000000	10000000	10000000	10000000
39000000	10000000	10000000	10000000
40000000	10000000	10000000	10000000
41000000	10000000	10000000	10000000
42000000	10000000	10000000	10000000
43000000	10000000	10000000	10000000
44000000	10000000	10000000	10000000
45000000	10000000	10000000	10000000
46000000	10000000	10000000	10000000
47000000	10000000	10000000	10000000
48000000	10000000	10000000	10000000
49000000	10000000	10000000	10000000
50000000	10000000	10000000	10000000

Num	Logarith.	Num	Logarith.	Num	Logarith.	Num	Logarith.
300	2.3010300	340	2.3979400	380	2.4771212	320	2.5440080
301	2.3031061	341	2.3995737	381	2.4795655	321	2.5463971
302	2.3051814	342	2.4014005	382	2.4820000	322	2.5487847
303	2.3072560	343	2.4031015	383	2.4844426	323	2.5511717
304	2.3093302	344	2.4047937	384	2.4868736	324	2.5535573
305	2.3114040	345	2.4064832	385	2.4892938	325	2.5559418
306	2.3134772	346	2.4081400	386	2.4917144	326	2.5583250
307	2.3155501	347	2.4099931	387	2.4941384	327	2.5607062
308	2.3176223	348	2.4116197	388	2.4965567	328	2.5630850
309	2.3196943	349	2.4132998	389	2.4989685	329	2.5654614
310	2.3217651	350	2.4149733	390	2.4913817	330	2.5678355
311	2.3238352	351	2.4166404	391	2.4937964	331	2.5702072
312	2.3259049	352	2.4183013	392	2.4962146	332	2.5725766
313	2.3279736	353	2.4199557	393	2.4986343	333	2.5749436
314	2.3300418	354	2.4216039	394	2.4999960	334	2.5773084
315	2.3321095	355	2.4232459	395	2.4983105	335	2.5796719
316	2.3341767	356	2.4248816	396	2.4996871	336	2.5820341
317	2.3362437	357	2.4265113	397	2.5010593	337	2.5843946
318	2.3383105	358	2.4281340	398	2.5024371	338	2.5867538
319	2.3403771	359	2.4297523	399	2.5037907	339	2.5891116
320	2.3424437	360	2.4313638	400	2.5051500	340	2.5914681
321	2.3445093	361	2.4329693	401	2.5065050	341	2.5938239
322	2.3465750	362	2.4345609	402	2.5078559	342	2.5961789
323	2.3486404	363	2.4361486	403	2.5092035	343	2.5985325
324	2.3507058	364	2.4377306	404	2.5105490	344	2.5998846
325	2.3527713	365	2.4393037	405	2.5118834	345	2.6012353
326	2.3548368	366	2.4409091	406	2.5132176	346	2.6035847
327	2.3569023	367	2.4424798	407	2.5145477	347	2.6059328
328	2.3589678	368	2.4440448	408	2.5158738	348	2.6082796
329	2.3610333	369	2.4456042	409	2.5171959	349	2.6106251
330	2.3630988	370	2.4471580	410	2.5185139	350	2.6129693
331	2.3651642	371	2.4487063	411	2.5198280	351	2.6153122
332	2.3672297	372	2.4502491	412	2.5211381	352	2.6176538
333	2.3692951	373	2.4517864	413	2.5224442	353	2.6199941
334	2.3713606	374	2.4533183	414	2.5237465	354	2.6223331
335	2.3734261	375	2.4548449	415	2.5250448	355	2.6246707
336	2.3754916	376	2.4563660	416	2.5263393	356	2.6270070
337	2.3775570	377	2.4578819	417	2.5276309	357	2.6293421
338	2.3796224	378	2.4593925	418	2.5289167	358	2.6316760
339	2.3816879	379	2.4608978	419	2.5301997	359	2.6340087
340	2.3837531	380	2.4623980	420	2.5314789	360	2.6363402
341	2.3858187	381	2.4638930	421	2.5327544	361	2.6386706
342	2.3878841	382	2.4653828	422	2.5340261	362	2.6410000
343	2.3899495	383	2.4668676	423	2.5352941	363	2.6433284
344	2.3920149	384	2.4683473	424	2.5365584	364	2.6456557
345	2.3940803	385	2.4698220	425	2.5378191	365	2.6479819
346	2.3961457	386	2.4712917	426	2.5390761	366	2.6503070
347	2.3982111	387	2.4727564	427	2.5403295	367	2.6526311
348	2.3992765	388	2.4742163	428	2.5415792	368	2.6549542
349	2.4013419	389	2.4756712	429	2.5428254	369	2.6572763
350	2.3979470	390	2.4771212	430	2.5440680	370	2.6595974

Tabula Logarithmorum.

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Num	Logarith.	Num	Logarith.	Num	Logarith.	Num	Logarith.
400	2.6020600	490	2.6931135	580	2.6989700	670	2.7403637
401	2.6021444	491	2.6931705	581	2.6990377	671	2.7411516
402	2.6022280	492	2.6932284	582	2.7000957	672	2.7419396
403	2.6023116	493	2.6932861	583	2.7011538	673	2.7427276
404	2.6023952	494	2.6933438	584	2.7022119	674	2.7435156
405	2.6024788	495	2.6934015	585	2.7032700	675	2.7443036
406	2.6025624	496	2.6934592	586	2.7043280	676	2.7450916
407	2.6026460	497	2.6935169	587	2.7053861	677	2.7458796
408	2.6027296	498	2.6935746	588	2.7064441	678	2.7466676
409	2.6117833	499	2.6936323	589	2.7075022	679	2.7474556
410	2.6118669	500	2.6936900	590	2.7085602	680	2.7482436
411	2.6119505	501	2.6937477	591	2.7096183	681	2.7490316
412	2.6120341	502	2.6938054	592	2.7106763	682	2.7498196
413	2.6121177	503	2.6938631	593	2.7117344	683	2.7506076
414	2.6122013	504	2.6939208	594	2.7127924	684	2.7513956
415	2.6122849	505	2.6939785	595	2.7138505	685	2.7521836
416	2.6123685	506	2.6940362	596	2.7149085	686	2.7529716
417	2.6124521	507	2.6940939	597	2.7159666	687	2.7537596
418	2.6125357	508	2.6941516	598	2.7170246	688	2.7545476
419	2.6126193	509	2.6942093	599	2.7180827	689	2.7553356
420	2.6127029	510	2.6942670	600	2.7191407	690	2.7561236
421	2.6127865	511	2.6943247	601	2.7201988	691	2.7569116
422	2.6128701	512	2.6943824	602	2.7212568	692	2.7576996
423	2.6129537	513	2.6944401	603	2.7223149	693	2.7584876
424	2.6130373	514	2.6944978	604	2.7233729	694	2.7592756
425	2.6131209	515	2.6945555	605	2.7244310	695	2.7600636
426	2.6132045	516	2.6946132	606	2.7254890	696	2.7608516
427	2.6132881	517	2.6946709	607	2.7265471	697	2.7616396
428	2.6133717	518	2.6947286	608	2.7276051	698	2.7624276
429	2.6134553	519	2.6947863	609	2.7286632	699	2.7632156
430	2.6135389	520	2.6948440	610	2.7297212	700	2.7640036
431	2.6136225	521	2.6949017	611	2.7307793	701	2.7647916
432	2.6137061	522	2.6949594	612	2.7318373	702	2.7655796
433	2.6137897	523	2.6950171	613	2.7328954	703	2.7663676
434	2.6138733	524	2.6950748	614	2.7339534	704	2.7671556
435	2.6139569	525	2.6951325	615	2.7350115	705	2.7679436
436	2.6140405	526	2.6951902	616	2.7360695	706	2.7687316
437	2.6141241	527	2.6952479	617	2.7371276	707	2.7695196
438	2.6142077	528	2.6953056	618	2.7381856	708	2.7703076
439	2.6142913	529	2.6953633	619	2.7392437	709	2.7710956
440	2.6143749	530	2.6954210	620	2.7403017	710	2.7718836
441	2.6144585	531	2.6954787	621	2.7413598	711	2.7726716
442	2.6145421	532	2.6955364	622	2.7424178	712	2.7734596
443	2.6146257	533	2.6955941	623	2.7434759	713	2.7742476
444	2.6147093	534	2.6956518	624	2.7445339	714	2.7750356
445	2.6147929	535	2.6957095	625	2.7455920	715	2.7758236
446	2.6148765	536	2.6957672	626	2.7466500	716	2.7766116
447	2.6149601	537	2.6958249	627	2.7477081	717	2.7773996
448	2.6150437	538	2.6958826	628	2.7487661	718	2.7781876
449	2.6151273	539	2.6959403	629	2.7498242	719	2.7789756
450	2.6152109	540	2.6959980	630	2.7508822	720	2.7797636

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
600 2.7781112	640 2.8120134	700 2.8450080	760 2.8780016
601 2.7786745	641 2.8125810	701 2.8455710	761 2.8785649
602 2.7792379	642 2.8131486	702 2.8461337	762 2.8791288
603 2.7798013	643 2.8137162	703 2.8466963	763 2.8796926
604 2.7803647	644 2.8142838	704 2.8472590	764 2.8802565
605 2.7809281	645 2.8148514	705 2.8478216	765 2.8808203
606 2.7814915	646 2.8154190	706 2.8483843	766 2.8813842
607 2.7820549	647 2.8159866	707 2.8489469	767 2.8819480
608 2.7826183	648 2.8165542	708 2.8495096	768 2.8825119
609 2.7831817	649 2.8171218	709 2.8500722	769 2.8830757
610 2.7837451	650 2.8176894	710 2.8506349	770 2.8836396
611 2.7843085	651 2.8182570	711 2.8511975	771 2.8842034
612 2.7848719	652 2.8188246	712 2.8517602	772 2.8847673
613 2.7854353	653 2.8193922	713 2.8523228	773 2.8853311
614 2.7859987	654 2.8199598	714 2.8528855	774 2.8858950
615 2.7865621	655 2.8205274	715 2.8534481	775 2.8864588
616 2.7871255	656 2.8210950	716 2.8540108	776 2.8870227
617 2.7876889	657 2.8216626	717 2.8545734	777 2.8875865
618 2.7882523	658 2.8222302	718 2.8551361	778 2.8881504
619 2.7888157	659 2.8227978	719 2.8556987	779 2.8887142
620 2.7893791	660 2.8233654	720 2.8562614	780 2.8892781
621 2.7899425	661 2.8239330	721 2.8568240	781 2.8898419
622 2.7905059	662 2.8245006	722 2.8573867	782 2.8904058
623 2.7910693	663 2.8250682	723 2.8579493	783 2.8909696
624 2.7916327	664 2.8256358	724 2.8585120	784 2.8915335
625 2.7921961	665 2.8262034	725 2.8590746	785 2.8920973
626 2.7927595	666 2.8267710	726 2.8596373	786 2.8926612
627 2.7933229	667 2.8273386	727 2.8601999	787 2.8932250
628 2.7938863	668 2.8279062	728 2.8607626	788 2.8937889
629 2.7944497	669 2.8284738	729 2.8613252	789 2.8943527
630 2.7950131	670 2.8290414	730 2.8618879	790 2.8949166
631 2.7955765	671 2.8296090	731 2.8624505	791 2.8954804
632 2.7961399	672 2.8301766	732 2.8630132	792 2.8960443
633 2.7967033	673 2.8307442	733 2.8635758	793 2.8966081
634 2.7972667	674 2.8313118	734 2.8641385	794 2.8971720
635 2.7978301	675 2.8318794	735 2.8647011	795 2.8977358
636 2.7983935	676 2.8324470	736 2.8652638	796 2.8982997
637 2.7989569	677 2.8330146	737 2.8658264	797 2.8988635
638 2.7995203	678 2.8335822	738 2.8663891	798 2.8994274
639 2.8000837	679 2.8341498	739 2.8669517	799 2.8999912
640 2.8006471	680 2.8347174	740 2.8675144	
641 2.8012105	681 2.8352850	741 2.8680770	
642 2.8017739	682 2.8358526	742 2.8686397	
643 2.8023373	683 2.8364202	743 2.8692023	
644 2.8029007	684 2.8369878	744 2.8697650	
645 2.8034641	685 2.8375554	745 2.8703276	
646 2.8040275	686 2.8381230	746 2.8708903	
647 2.8045909	687 2.8386906	747 2.8714529	
648 2.8051543	688 2.8392582	748 2.8720156	
649 2.8057177	689 2.8398258	749 2.8725782	
650 2.8062811	690 2.8403934	750 2.8731409	
651 2.8068445	691 2.8409610	751 2.8737035	
652 2.8074079	692 2.8415286	752 2.8742662	
653 2.8079713	693 2.8420962	753 2.8748288	
654 2.8085347	694 2.8426638	754 2.8753915	
655 2.8090981	695 2.8432314	755 2.8759541	
656 2.8096615	696 2.8437990	756 2.8765168	
657 2.8102249	697 2.8443666	757 2.8770794	
658 2.8107883	698 2.8449342	758 2.8776421	
659 2.8113517	699 2.8455018	759 2.8782047	
660 2.8119151	700 2.8460694	760 2.8787674	

Num. Logarithm.	Num. Logarithm.	Num. Logarithm.	Num. Logarithm.
800	2.9030908	850	2.9294139
801	2.9036325	851	2.9300326
802	2.9041744	852	2.9306496
803	2.9047155	853	2.9312640
804	2.9052560	854	2.9318779
805	2.9057959	855	2.9324901
806	2.9063350	856	2.9331008
807	2.9068735	857	2.9337100
808	2.9074114	858	2.9343178
809	2.9079485	859	2.9349242
810	2.9084850	860	2.9355294
811	2.9090208	861	2.9361331
812	2.9095560	862	2.9367353
813	2.9100905	863	2.9373361
814	2.9106244	864	2.9379355
815	2.9111576	865	2.9385336
816	2.9116901	866	2.9391303
817	2.9122220	867	2.9397256
818	2.9127533	868	2.9403195
819	2.9132839	869	2.9409120
820	2.9138138	870	2.9415041
821	2.9143431	871	2.9420958
822	2.9148718	872	2.9426861
823	2.9154000	873	2.9432750
824	2.9159272	874	2.9438635
825	2.9164539	875	2.9444506
826	2.9169800	876	2.9450364
827	2.9175055	877	2.9456209
828	2.9180303	878	2.9462041
829	2.9185545	879	2.9467869
830	2.9190781	880	2.9473692
831	2.9196010	881	2.9479501
832	2.9201233	882	2.9485296
833	2.9206450	883	2.9491077
834	2.9211660	884	2.9496853
835	2.9216865	885	2.9502625
836	2.9222063	886	2.9508392
837	2.9227254	887	2.9514156
838	2.9232440	888	2.9519916
839	2.9237620	889	2.9525672
840	2.9242795	890	2.9531425
841	2.9247960	891	2.9537175
842	2.9253121	892	2.9542921
843	2.9258276	893	2.9548663
844	2.9263424	894	2.9554401
845	2.9268567	895	2.9560136
846	2.9273704	896	2.9565867
847	2.9278834	897	2.9571594
848	2.9283958	898	2.9577317
849	2.9289077	899	2.9583036
850	2.9294190	900	2.9588751
901	2.9594438	951	2.9777786
902	2.9599673	952	2.9783498
903	2.9604903	953	2.9789206
904	2.9610128	954	2.9794910
905	2.9615348	955	2.9800611
906	2.9620563	956	2.9806308
907	2.9625773	957	2.9812001
908	2.9630978	958	2.9817691
909	2.9636178	959	2.9823378
910	2.9641374	960	2.9829061
911	2.9646565	961	2.9834741
912	2.9651751	962	2.9840418
913	2.9656932	963	2.9846091
914	2.9662108	964	2.9851761
915	2.9667279	965	2.9857428
916	2.9672445	966	2.9863091
917	2.9677606	967	2.9868750
918	2.9682762	968	2.9874405
919	2.9687913	969	2.9880056
920	2.9693059	970	2.9885703
921	2.9698200	971	2.9891346
922	2.9703336	972	2.9896985
923	2.9708467	973	2.9902620
924	2.9713593	974	2.9908251
925	2.9718714	975	2.9913878
926	2.9723830	976	2.9919501
927	2.9728941	977	2.9925120
928	2.9734047	978	2.9930735
929	2.9739148	979	2.9936346
930	2.9744244	980	2.9941953
931	2.9749335	981	2.9947556
932	2.9754421	982	2.9953155
933	2.9759502	983	2.9958750
934	2.9764578	984	2.9964341
935	2.9769649	985	2.9969928
936	2.9774715	986	2.9975511
937	2.9779776	987	2.9981091
938	2.9784832	988	2.9986667
939	2.9789883	989	2.9992239
940	2.9794929	990	2.9997807
941	2.9799970	991	3.0003371
942	2.9805006	992	3.0008931
943	2.9810037	993	3.0014487
944	2.9815063	994	3.0020039
945	2.9820084	995	3.0025587
946	2.9825100	996	3.0031131
947	2.9830111	997	3.0036671
948	2.9835118	998	3.0042207
949	2.9840120	999	3.0047739
950	2.9845128	1000	3.0053267

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
1000 3.0000000	1050 3.0211833	1100 3.0413927	1150 3.0608978
1001 3.0004341	1051 3.0216037	1101 3.0417673	1151 3.0610793
1002 3.0008677	1052 3.0220197	1102 3.0421416	1152 3.0614621
1003 3.0013009	1053 3.0224284	1103 3.0425155	1153 3.0618393
1004 3.0017337	1054 3.0228406	1104 3.0428901	1154 3.0622078
1005 3.0021661	1055 3.0232524	1105 3.0432643	1155 3.0625780
1006 3.0025980	1056 3.0236639	1106 3.0437151	1156 3.0629578
1007 3.0030295	1057 3.0240750	1107 3.0441496	1157 3.0633334
1008 3.0034605	1058 3.0244857	1108 3.0445308	1158 3.0637081
1009 3.0038911	1059 3.0248959	1109 3.0449315	1159 3.0640830
1010 3.0043214	1060 3.0253059	1110 3.0453230	1160 3.0644580
1011 3.0047511	1061 3.0257154	1111 3.0457140	1161 3.0648331
1012 3.0051805	1062 3.0261245	1112 3.0461048	1162 3.0652081
1013 3.0056094	1063 3.0265333	1113 3.0464951	1163 3.0655797
1014 3.0060379	1064 3.0269416	1114 3.0468851	1164 3.0659530
1015 3.0064660	1065 3.0273496	1115 3.0472749	1165 3.0663219
1016 3.0068937	1066 3.0277571	1116 3.0476642	1166 3.0666885
1017 3.0073209	1067 3.0281644	1117 3.0480531	1167 3.0670508
1018 3.0077478	1068 3.0285712	1118 3.0484418	1168 3.0674128
1019 3.0081742	1069 3.0289777	1119 3.0488301	1169 3.0677714
1020 3.0086002	1070 3.0293838	1120 3.0492180	1170 3.0681369
1021 3.0090257	1071 3.0297895	1121 3.0496056	1171 3.0684969
1022 3.0094509	1072 3.0301948	1122 3.0499928	1172 3.0688570
1023 3.0098756	1073 3.0305997	1123 3.0503797	1173 3.0692170
1024 3.0102999	1074 3.0310043	1124 3.0507663	1174 3.0695681
1025 3.0107239	1075 3.0314085	1125 3.0511525	1175 3.0699239
1026 3.0111474	1076 3.0318123	1126 3.0515384	1176 3.0702807
1027 3.0115704	1077 3.0322157	1127 3.0519239	1177 3.0706365
1028 3.0119931	1078 3.0326188	1128 3.0523091	1178 3.0710413
1029 3.0124154	1079 3.0330214	1129 3.0526939	1179 3.0714453
1030 3.0128372	1080 3.0334237	1130 3.0530784	1180 3.0718480
1031 3.0132587	1081 3.0338257	1131 3.0534626	1181 3.0722499
1032 3.0136797	1082 3.0342273	1132 3.0538464	1182 3.0726517
1033 3.0141003	1083 3.0346284	1133 3.0542299	1183 3.0730517
1034 3.0145205	1084 3.0350293	1134 3.0546130	1184 3.0734517
1035 3.0149403	1085 3.0354297	1135 3.0549958	1185 3.0738513
1036 3.0153597	1086 3.0358298	1136 3.0553783	1186 3.0742517
1037 3.0157787	1087 3.0362295	1137 3.0557604	1187 3.0746497
1038 3.0161973	1088 3.0366289	1138 3.0561423	1188 3.0750464
1039 3.0166155	1089 3.0370279	1139 3.0565237	1189 3.0754418
1040 3.0170333	1090 3.0374265	1140 3.0569048	1190 3.0758370
1041 3.0174507	1091 3.0378247	1141 3.0572856	1191 3.0762318
1042 3.0178677	1092 3.0382226	1142 3.0576661	1192 3.0766262
1043 3.0182843	1093 3.0386201	1143 3.0580462	1193 3.0770204
1044 3.0187005	1094 3.0390173	1144 3.0584260	1194 3.0774143
1045 3.0191163	1095 3.0394141	1145 3.0588055	1195 3.0778079
1046 3.0195317	1096 3.0398105	1146 3.0591846	1196 3.0781911
1047 3.0199467	1097 3.0402066	1147 3.0595634	1197 3.0785741
1048 3.0203613	1098 3.0406023	1148 3.0599419	1198 3.0789568
1049 3.0207755	1099 3.0409977	1149 3.0603200	1199 3.0793391
1050 3.0211893	1100 3.0413927	1150 3.0606978	1200 3.0797211



Tabula Logarithmorum.

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Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
1100 3.0791812	1250 3.0969100	1300 3.1139433	1350 3.1303338
1101 3.0795430	1251 3.0972575	1301 3.1142773	1351 3.1306553
1102 3.0799045	1252 3.0976043	1302 3.1146110	1352 3.1309767
1103 3.0802656	1253 3.0979511	1303 3.1149444	1353 3.1312978
1104 3.0806265	1254 3.0982975	1304 3.1152776	1354 3.1316187
1105 3.0809870	1255 3.0986437	1305 3.1156105	1355 3.1319393
1106 3.0813473	1256 3.0989896	1306 3.1159432	1356 3.1322597
1107 3.0817075	1257 3.0993353	1307 3.1162756	1357 3.1325798
1108 3.0820669	1258 3.0996808	1308 3.1166077	1358 3.1328998
1109 3.0824263	1259 3.1000257	1309 3.1169396	1359 3.1332195
1110 3.0827854	1260 3.1003705	1310 3.1172713	1360 3.1335389
1111 3.0831441	1261 3.1007151	1311 3.1176027	1361 3.1338581
1112 3.0835026	1262 3.1010593	1312 3.1179338	1362 3.1341771
1113 3.0838608	1263 3.1014033	1313 3.1182647	1363 3.1344958
1114 3.0842187	1264 3.1017471	1314 3.1185954	1364 3.1348144
1115 3.0845763	1265 3.1020905	1315 3.1189257	1365 3.1351326
1116 3.0849336	1266 3.1024337	1316 3.1192559	1366 3.1354507
1117 3.0852906	1267 3.1027766	1317 3.1195858	1367 3.1357685
1118 3.0856473	1268 3.1031192	1318 3.1199154	1368 3.1360861
1119 3.0860037	1269 3.1034616	1319 3.1202448	1369 3.1364034
1120 3.0863598	1270 3.1038037	1320 3.1205739	1370 3.1367206
1121 3.0867156	1271 3.1041455	1321 3.1209028	1371 3.1370374
1122 3.0870712	1272 3.1044871	1322 3.1212314	1372 3.1373541
1123 3.0874264	1273 3.1048284	1323 3.1215598	1373 3.1376705
1124 3.0877814	1274 3.1051694	1324 3.1218880	1374 3.1379867
1125 3.0881361	1275 3.1055102	1325 3.1222159	1375 3.1383027
1126 3.0884905	1276 3.1058507	1326 3.1225435	1376 3.1386184
1127 3.0888446	1277 3.1061909	1327 3.1228709	1377 3.1389339
1128 3.0891984	1278 3.1065308	1328 3.1231981	1378 3.1392492
1129 3.0895519	1279 3.1068705	1329 3.1235250	1379 3.1395643
1130 3.0899051	1280 3.1072100	1330 3.1238516	1380 3.1398791
1131 3.0902580	1281 3.1075491	1331 3.1241780	1381 3.1401937
1132 3.0906107	1282 3.1078880	1332 3.1245042	1382 3.1405080
1133 3.0909631	1283 3.1082266	1333 3.1248301	1383 3.1408222
1134 3.0913151	1284 3.1085650	1334 3.1251558	1384 3.1411361
1135 3.0916669	1285 3.1089031	1335 3.1254813	1385 3.1414498
1136 3.0920185	1286 3.1092410	1336 3.1258064	1386 3.1417632
1137 3.0923697	1287 3.1095785	1337 3.1261314	1387 3.1420765
1138 3.0927206	1288 3.1099159	1338 3.1264561	1388 3.1423895
1139 3.0930713	1289 3.1102529	1339 3.1267806	1389 3.1427022
1140 3.0934217	1290 3.1105897	1340 3.1271048	1390 3.1430148
1141 3.0937718	1291 3.1109262	1341 3.1274288	1391 3.1433271
1142 3.0941216	1292 3.1112625	1342 3.1277525	1392 3.1436392
1143 3.0944711	1293 3.1115985	1343 3.1280760	1393 3.1439511
1144 3.0948204	1294 3.1119343	1344 3.1283993	1394 3.1442628
1145 3.0951693	1295 3.1122698	1345 3.1287223	1395 3.1445742
1146 3.0955180	1296 3.1126050	1346 3.1290450	1396 3.1448854
1147 3.0958664	1297 3.1129400	1347 3.1293676	1397 3.1451964
1148 3.0962146	1298 3.1132747	1348 3.1296899	1398 3.1455072
1149 3.0965624	1299 3.1136091	1349 3.1300119	1399 3.1458177
1150 3.0969100	1300 3.1139433	1350 3.1303338	1400 3.1461280



Num Logarith.	Num Logarith.	Num Logarith.	Num Logarith.
1402 3.1461280	1450 3.1613680	1500 3.1760913	1550 3.1903317
1403 3.1464381	1451 3.1616674	1501 3.1763807	1551 3.1906018
1404 3.1467480	1452 3.1619666	1502 3.1766699	1552 3.1908917
1405 3.1470577	1453 3.1622656	1503 3.1769590	1553 3.1911714
1406 3.1473671	1454 3.1625644	1504 3.1772478	1554 3.1914510
1407 3.1476763	1455 3.1628630	1505 3.1775365	1555 3.1917304
1408 3.1479853	1456 3.1631614	1506 3.1778250	1556 3.1920096
1409 3.1482941	1457 3.1634595	1507 3.1781133	1557 3.1922886
1410 3.1486026	1458 3.1637575	1508 3.1784013	1558 3.1925674
1411 3.1489110	1459 3.1640553	1509 3.1786892	1559 3.1928461
1412 3.1492191	1460 3.1643528	1510 3.1789769	1560 3.1931246
1413 3.1495270	1461 3.1646502	1511 3.1792644	1561 3.1934029
1414 3.1498347	1462 3.1649474	1512 3.1795518	1562 3.1936810
1415 3.1501422	1463 3.1652444	1513 3.1798389	1563 3.1939590
1416 3.1504494	1464 3.1655411	1514 3.1801259	1564 3.1942367
1417 3.1507564	1465 3.1658376	1515 3.1804126	1565 3.1945143
1418 3.1510632	1466 3.1661340	1516 3.1806992	1566 3.1947917
1419 3.1513698	1467 3.1664301	1517 3.1809856	1567 3.1950690
1420 3.1516762	1468 3.1667260	1518 3.1812718	1568 3.1953460
1421 3.1519824	1469 3.1670218	1519 3.1815578	1569 3.1956229
1422 3.1522883	1470 3.1673173	1520 3.1818436	1570 3.1958996
1423 3.1525941	1471 3.1676127	1521 3.1821292	1571 3.1961762
1424 3.1528996	1472 3.1679078	1522 3.1824146	1572 3.1964527
1425 3.1532049	1473 3.1682027	1523 3.1826999	1573 3.1967285
1426 3.1535100	1474 3.1684975	1524 3.1829850	1574 3.1970047
1427 3.1538149	1475 3.1687920	1525 3.1832698	1575 3.1972806
1428 3.1541195	1476 3.1690863	1526 3.1835545	1576 3.1975562
1429 3.1544240	1477 3.1693805	1527 3.1838390	1577 3.1978317
1430 3.1547282	1478 3.1696744	1528 3.1841233	1578 3.1981070
1431 3.1550322	1479 3.1699682	1529 3.1844075	1579 3.1983821
1432 3.1553360	1480 3.1702617	1530 3.1846914	1580 3.1986571
1433 3.1556396	1481 3.1705550	1531 3.1849752	1581 3.1989319
1434 3.1559430	1482 3.1708482	1532 3.1852588	1582 3.1992065
1435 3.1562462	1483 3.1711411	1533 3.1855421	1583 3.1994809
1436 3.1565491	1484 3.1714339	1534 3.1858253	1584 3.1997552
1437 3.1568519	1485 3.1717264	1535 3.1861084	1585 3.2000293
1438 3.1571544	1486 3.1720188	1536 3.1863912	1586 3.2003032
1439 3.1574568	1487 3.1723110	1537 3.1866739	1587 3.2005769
1440 3.1577589	1488 3.1726030	1538 3.1869563	1588 3.2008505
1441 3.1580608	1489 3.1728947	1539 3.1872386	1589 3.2011239
1442 3.1583625	1490 3.1731863	1540 3.1875207	1590 3.2013971
1443 3.1586640	1491 3.1734776	1541 3.1878026	1591 3.2016702
1444 3.1589653	1492 3.1737688	1542 3.1880844	1592 3.2019431
1445 3.1592663	1493 3.1740598	1543 3.1883659	1593 3.2022158
1446 3.1595672	1494 3.1743506	1544 3.1886473	1594 3.2024883
1447 3.1598678	1495 3.1746412	1545 3.1889285	1595 3.2027607
1448 3.1601683	1496 3.1749316	1546 3.1892095	1596 3.2030329
1449 3.1604685	1497 3.1752218	1547 3.1894903	1597 3.2033050
1450 3.1607686	1498 3.1755118	1548 3.1897709	1598 3.2035768
1451 3.1610684	1499 3.1758016	1549 3.1900514	1599 3.2038485
1452 3.1613680	1500 3.1760913	1550 3.1903317	1600 3.2041200

# Tabula Logarithmorum.

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Num	Logarith.	Num	Logarith.	Num	Logarith.	Num	Logarith.
1600	3.2041300	1650	3.2174839	1700	3.2304489	1750	3.2430380
1601	3.2043913	1651	3.2177471	1701	3.2307043	1751	3.2432885
1602	3.2046525	1652	3.2180100	1702	3.2309590	1752	3.2435341
1603	3.2049135	1653	3.2182728	1703	3.2312146	1753	3.2437819
1604	3.2051744	1654	3.2185355	1704	3.2314696	1754	3.2440306
1605	3.2054350	1655	3.2187980	1705	3.2317244	1755	3.2442771
1606	3.2056955	1656	3.2190603	1706	3.2319790	1756	3.2445245
1607	3.2059559	1657	3.2193225	1707	3.2322335	1757	3.2447718
1608	3.2062160	1658	3.2195845	1708	3.2324879	1758	3.2450189
1609	3.2064760	1659	3.2198464	1709	3.2327421	1759	3.2452658
1610	3.2067360	1660	3.2201081	1710	3.2329961	1760	3.2455127
1611	3.2070095	1661	3.2203696	1711	3.2332500	1761	3.2457594
1612	3.2072730	1662	3.2206310	1712	3.2335038	1762	3.2460059
1613	3.2075364	1663	3.2208922	1713	3.2337574	1763	3.2462523
1614	3.2077995	1664	3.2211533	1714	3.2340108	1764	3.2464986
1615	3.2080625	1665	3.2214143	1715	3.2342641	1765	3.2467447
1616	3.2083254	1666	3.2216750	1716	3.2345173	1766	3.2469907
1617	3.2085880	1667	3.2219356	1717	3.2347703	1767	3.2472365
1618	3.2088505	1668	3.2221960	1718	3.2350231	1768	3.2474823
1619	3.2091128	1669	3.2224563	1719	3.2352760	1769	3.2477278
1620	3.2093750	1670	3.2227165	1720	3.2355284	1770	3.2479733
1621	3.2096370	1671	3.2229764	1721	3.2357809	1771	3.2482186
1622	3.2100008	1672	3.2232363	1722	3.2360331	1772	3.2484637
1623	3.2103185	1673	3.2234960	1723	3.2362853	1773	3.2487087
1624	3.2105860	1674	3.2237555	1724	3.2365373	1774	3.2489536
1625	3.2108534	1675	3.2240148	1725	3.2367891	1775	3.2491984
1626	3.2111205	1676	3.2242740	1726	3.2370408	1776	3.2494430
1627	3.2113876	1677	3.2245331	1727	3.2372923	1777	3.2496874
1628	3.2116544	1678	3.2247920	1728	3.2375437	1778	3.2499318
1629	3.2119211	1679	3.2250507	1729	3.2377950	1779	3.2501760
1630	3.2121876	1680	3.2253093	1730	3.2380461	1780	3.2504200
1631	3.2124540	1681	3.2255677	1731	3.2382971	1781	3.2506639
1632	3.2127201	1682	3.2258260	1732	3.2385479	1782	3.2509077
1633	3.2129862	1683	3.2260841	1733	3.2387986	1783	3.2511513
1634	3.2132521	1684	3.2263421	1734	3.2390491	1784	3.2513948
1635	3.2135178	1685	3.2265999	1735	3.2392995	1785	3.2516382
1636	3.2137833	1686	3.2268576	1736	3.2395497	1786	3.2518815
1637	3.2140487	1687	3.2271151	1737	3.2397998	1787	3.2521246
1638	3.2143139	1688	3.2273724	1738	3.2400498	1788	3.2523675
1639	3.2145789	1689	3.2276296	1739	3.2402996	1789	3.2526103
1640	3.2148438	1690	3.2278867	1740	3.2405492	1790	3.2528530
1641	3.2151086	1691	3.2281436	1741	3.2407988	1791	3.2530956
1642	3.2153732	1692	3.2284004	1742	3.2410481	1792	3.2533380
1643	3.2156376	1693	3.2286570	1743	3.2412974	1793	3.2535803
1644	3.2159018	1694	3.2289134	1744	3.2415465	1794	3.2538224
1645	3.2161660	1695	3.2291697	1745	3.2417954	1795	3.2540645
1646	3.2164308	1696	3.2294258	1746	3.2420442	1796	3.2543063
1647	3.2166936	1697	3.2296818	1747	3.2422929	1797	3.2545481
1648	3.2169572	1698	3.2299377	1748	3.2425414	1798	3.2547897
1649	3.2172206	1699	3.2301934	1749	3.2427898	1799	3.2550312
1650	3.2174839	1700	3.2304489	1750	3.2430380	1800	3.2552725

Num Logarith.	Num Logarith.	Num Logarith.	Num Logarith.
1807 3.2552725	1800 3.271727	1902 3.278753	1910 3.290234
1808 3.2555137	1851 3.2674064	1901 3.2769831	1951 3.2903473
1809 3.2557548	1852 3.2676410	1902 3.2792105	1952 3.2904796
1803 3.2559957	1853 3.2678754	1903 3.2794384	1953 3.2907022
1804 3.2562365	1854 3.2681097	1904 3.2796669	1954 3.2909246
1805 3.2564772	1855 3.2683439	1905 3.2798950	1955 3.2911468
1806 3.2567177	1856 3.2685780	1906 3.2801229	1956 3.2913686
1807 3.2569582	1857 3.2688119	1907 3.2803509	1957 3.2915908
1808 3.2571984	1858 3.2690457	1908 3.2805784	1958 3.2918127
1809 3.2574386	1859 3.2692794	1909 3.2808053	1959 3.2920344
1810 3.2576786	1860 3.2695129	1910 3.2810324	1960 3.2922561
1811 3.2579184	1861 3.2697464	1911 3.2812607	1961 3.2924776
1812 3.2581582	1862 3.2699797	1912 3.2814879	1962 3.2926990
1813 3.2583978	1863 3.2702127	1913 3.2817150	1963 3.2929203
1814 3.2586376	1864 3.2704459	1914 3.2819419	1964 3.2931415
1815 3.2588765	1865 3.2706788	1915 3.2821688	1965 3.2933625
1816 3.2591156	1866 3.2709116	1916 3.2823955	1966 3.2935835
1817 3.2593547	1867 3.2711443	1917 3.2826221	1967 3.2938044
1818 3.2595939	1868 3.2713769	1918 3.2828486	1968 3.2940251
1819 3.2598332	1869 3.2716093	1919 3.2830750	1969 3.2942457
182 3.2600714	1870 3.2718416	1920 3.2833012	1970 3.2944662
1821 3.2603099	1871 3.2720738	1921 3.2835274	1971 3.2946860
1822 3.2605484	1872 3.2723058	1922 3.2837534	1972 3.2949069
1823 3.2607867	1873 3.2725378	1923 3.2839793	1973 3.2951271
1824 3.2610248	1874 3.2727696	1924 3.2842051	1974 3.2953471
1825 3.2612627	1875 3.2730013	1925 3.2844307	1975 3.2955671
1826 3.2615008	1876 3.2732323	1926 3.2846563	1976 3.2957869
1827 3.2617385	1877 3.2734643	1927 3.2848817	1977 3.2960067
1828 3.2619762	1878 3.2736956	1928 3.2851070	1978 3.2962263
1829 3.2622137	1879 3.2739258	1929 3.2853322	1979 3.2964458
183 3.2624511	1880 3.2741578	1930 3.2855573	1980 3.2966652
1831 3.2626883	1881 3.2743896	1931 3.2857823	1981 3.2968845
1832 3.2629255	1882 3.2746211	1932 3.2860071	1982 3.2971030
1833 3.2631628	1883 3.2748503	1933 3.2862318	1983 3.2973217
1834 3.2633993	1884 3.2750809	1934 3.2864564	1984 3.2975401
1835 3.2636361	1885 3.2753113	1935 3.2866810	1985 3.2977585
1836 3.2638727	1886 3.2755417	1936 3.2869054	1986 3.2979772
1837 3.2641092	1887 3.2757719	1937 3.2871295	1987 3.2981959
1838 3.2643455	1888 3.2760020	1938 3.2873536	1988 3.2984146
1839 3.2645817	1889 3.2762320	1939 3.2875778	1989 3.2986334
1840 3.2648178	1890 3.2764618	1940 3.2878017	1990 3.2988521
1841 3.2650538	1891 3.2766915	1941 3.2880255	1991 3.2990713
1842 3.2652896	1892 3.2769211	1942 3.2882492	1992 3.2992893
1843 3.2655253	1893 3.2771506	1943 3.2884728	1993 3.2995073
1844 3.2657609	1894 3.2773800	1944 3.2886963	1994 3.2997251
1845 3.2659964	1895 3.2776092	1945 3.2889196	1995 3.2999429
1846 3.2662317	1896 3.2778383	1946 3.2891428	1996 3.3001601
1847 3.2664669	1897 3.2780673	1947 3.2893659	1997 3.3003781
1848 3.2667020	1898 3.2782962	1948 3.2895889	1998 3.3005955
1849 3.2669369	1899 3.2785250	1949 3.2898118	1999 3.3008128
1850 3.2671717	1900 3.2787536	1950 3.2900346	2000 3.3010300

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
2000 3.3010300	2050 3.3117539	2100 3.3221193	2150 3.3324385
2001 3.3012471	2051 3.3119057	2101 3.3224260	2151 3.3326404
2002 3.3014641	2052 3.3121774	2102 3.3226327	2152 3.3328423
2003 3.3016809	2053 3.3123889	2103 3.3228393	2153 3.3330440
2004 3.3018977	2054 3.3126004	2104 3.3230457	2154 3.3332457
2005 3.3021144	2055 3.3128118	2105 3.3232521	2155 3.3334473
2006 3.3023309	2056 3.3130233	2106 3.3234584	2156 3.3336488
2007 3.3025474	2057 3.3132343	2107 3.3236645	2157 3.3338501
2008 3.3027637	2058 3.3134454	2108 3.3238706	2158 3.3340514
2009 3.3029799	2059 3.3136563	2109 3.3240766	2159 3.3342525
2010 3.3031961	2060 3.3138672	2110 3.3242825	2160 3.3344537
2011 3.3034121	2061 3.3140780	2111 3.3244882	2161 3.3346548
2012 3.3036280	2062 3.3142887	2112 3.3246939	2162 3.3348557
2013 3.3038438	2063 3.3144992	2113 3.3248995	2163 3.3350565
2014 3.3040595	2064 3.3147097	2114 3.3251050	2164 3.3352572
2015 3.3042751	2065 3.3149200	2115 3.3253104	2165 3.3354579
2016 3.3044909	2066 3.3151303	2116 3.3255157	2166 3.3356584
2017 3.3047059	2067 3.3153405	2117 3.3257209	2167 3.3358589
2018 3.3049212	2068 3.3155505	2118 3.3259260	2168 3.3360593
2019 3.3051363	2069 3.3157605	2119 3.3261310	2169 3.3362596
2020 3.3053514	2070 3.3159703	2120 3.3263359	2170 3.3364597
2021 3.3055663	2071 3.3161801	2121 3.3265407	2171 3.3366598
2022 3.3057812	2072 3.3163897	2122 3.3267454	2172 3.3368598
2023 3.3059959	2073 3.3165993	2123 3.3269500	2173 3.3370597
2024 3.3062105	2074 3.3168088	2124 3.3271545	2174 3.3372595
2025 3.3064250	2075 3.3170181	2125 3.3273589	2175 3.3374593
2026 3.3066394	2076 3.3172273	2126 3.3275633	2176 3.3376589
2027 3.3068537	2077 3.3174365	2127 3.3277675	2177 3.3378584
2028 3.3070679	2078 3.3176455	2128 3.3279716	2178 3.3380570
2029 3.3072820	2079 3.3178545	2129 3.3281757	2179 3.3382562
2030 3.3074960	2080 3.3180633	2130 3.3283796	2180 3.3384556
2031 3.3077099	2081 3.3182721	2131 3.3285834	2181 3.3386557
2032 3.3079237	2082 3.3184807	2132 3.3287872	2182 3.3388547
2033 3.3081374	2083 3.3186893	2133 3.3289909	2183 3.3390537
2034 3.3083509	2084 3.3188977	2134 3.3291944	2184 3.3392526
2035 3.3085644	2085 3.3191061	2135 3.3293979	2185 3.3394514
2036 3.3087778	2086 3.3193143	2136 3.3296012	2186 3.3396501
2037 3.3089910	2087 3.3195224	2137 3.3298045	2187 3.3398488
2038 3.3092042	2088 3.3197305	2138 3.3299900	2188 3.3400473
2039 3.3094172	2089 3.3199384	2139 3.3302118	2189 3.3402458
2040 3.3096302	2090 3.3201463	2140 3.3304138	2190 3.3404441
2041 3.3098430	2091 3.3203540	2141 3.3306167	2191 3.3406424
2042 3.3100557	2092 3.3205617	2142 3.3308195	2192 3.3408405
2043 3.3102684	2093 3.3207692	2143 3.3310222	2193 3.3410386
2044 3.3104809	2094 3.3209767	2144 3.3312248	2194 3.3412366
2045 3.3106933	2095 3.3211840	2145 3.3314273	2195 3.3414345
2046 3.3109056	2096 3.3213913	2146 3.3316297	2196 3.3416323
2047 3.3111178	2097 3.3215984	2147 3.3318320	2197 3.3418301
2048 3.3113299	2098 3.3218055	2148 3.3320343	2198 3.3420277
2049 3.3115420	2099 3.3220124	2149 3.3322364	2199 3.3422252
2050 3.3117539	2100 3.3222193	2150 3.3324385	2200 3.3424227

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
2200 3.3424327	2250 3.3521825	2300 3.3617278	2350 3.3710679
2201 3.3426200	2251 3.3523755	2301 3.3619166	2351 3.3712526
2202 3.3428173	2252 3.3525684	2302 3.3621053	2352 3.3714373
2203 3.3430146	2253 3.3527612	2303 3.3622939	2353 3.3716219
2204 3.3432116	2254 3.3529539	2304 3.3624825	2354 3.3718065
2205 3.3434086	2255 3.3531465	2305 3.3626709	2355 3.3719909
2206 3.3436055	2256 3.3533391	2306 3.3628593	2356 3.3721753
2207 3.3438023	2257 3.3535316	2307 3.3630476	2357 3.3723596
2208 3.3440991	2258 3.3537239	2308 3.3632358	2358 3.3725438
2209 3.3442957	2259 3.3539162	2309 3.3634239	2359 3.3727279
2210 3.3444923	2260 3.3541084	2310 3.3636120	2360 3.3729120
2211 3.3446887	2261 3.3543006	2311 3.3637999	2361 3.3730960
2212 3.3448851	2262 3.3544926	2312 3.3639878	2362 3.3732799
2213 3.3450814	2263 3.3546846	2313 3.3641756	2363 3.3734637
2214 3.3452776	2264 3.3548764	2314 3.3643633	2364 3.3736475
2215 3.3454737	2265 3.3550682	2315 3.3645510	2365 3.3738311
2216 3.3456698	2266 3.3552599	2316 3.3647386	2366 3.3740147
2217 3.3458657	2267 3.3554515	2317 3.3649260	2367 3.3741982
2218 3.3460615	2268 3.3556430	2318 3.3651134	2368 3.3743817
2219 3.3462573	2269 3.3558345	2319 3.3653007	2369 3.3745651
2220 3.3464530	2270 3.3560259	2320 3.3654880	2370 3.3747483
2221 3.3466486	2271 3.3562171	2321 3.3656751	2371 3.3749316
2222 3.3468441	2272 3.3564083	2322 3.3658622	2372 3.3751147
2223 3.3470395	2273 3.3565994	2323 3.3660492	2373 3.3752977
2224 3.3472348	2274 3.3567905	2324 3.3662361	2374 3.3754807
2225 3.3474300	2275 3.3569814	2325 3.3664230	2375 3.3756636
2226 3.3476252	2276 3.3571723	2326 3.3666097	2376 3.3758464
2227 3.3478202	2277 3.3573630	2327 3.3667964	2377 3.3760292
2228 3.3479152	2278 3.3575537	2328 3.3669830	2378 3.3762118
2229 3.3481101	2279 3.3577443	2329 3.3671695	2379 3.3763944
2230 3.3483049	2280 3.3579348	2330 3.3673559	2380 3.3765769
2231 3.3484996	2281 3.3581253	2331 3.3675423	2381 3.3767594
2232 3.3486942	2282 3.3583156	2332 3.3677285	2382 3.3769418
2233 3.3488887	2283 3.3585059	2333 3.3679147	2383 3.3771240
2234 3.3490832	2284 3.3586961	2334 3.3681008	2384 3.3773062
2235 3.3492775	2285 3.3588862	2335 3.3682869	2385 3.3774883
2236 3.3494718	2286 3.3590762	2336 3.3684728	2386 3.3776704
2237 3.3496660	2287 3.3592662	2337 3.3686587	2387 3.3778524
2238 3.3498601	2288 3.3594560	2338 3.3688445	2388 3.3780343
2239 3.3500541	2289 3.3596458	2339 3.3690302	2389 3.3782161
2240 3.3502480	2290 3.3598355	2340 3.3692149	2390 3.3783979
2241 3.3504419	2291 3.3600251	2341 3.3694014	2391 3.3785796
2242 3.3506356	2292 3.3602146	2342 3.3695869	2392 3.3787612
2243 3.3508293	2293 3.3604041	2343 3.3697723	2393 3.3789427
2244 3.3510228	2294 3.3605934	2344 3.3699576	2394 3.3791241
2245 3.3512163	2295 3.3607827	2345 3.3701428	2395 3.3793055
2246 3.3514098	2296 3.3609719	2346 3.3703280	2396 3.3794868
2247 3.3516031	2297 3.3611610	2347 3.3705131	2397 3.3796680
2248 3.3517963	2298 3.3613500	2348 3.3706981	2398 3.3798492
2249 3.3519895	2299 3.3615390	2349 3.3708830	2399 3.3800302
2250 3.3521825	2300 3.3617278	2350 3.3710679	2400 3.3802112

# Tabula Logarithmorum.

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Num Logarith.	Num Logarith.	Num Logarith.	Num Logarith.
1400 3.3802112	2450 3.3891661	2500 3.3979400	2550 3.4069402
1401 3.3803922	2451 3.3893433	2501 3.3981137	2551 3.4071105
1402 3.3805730	2452 3.3895205	2502 3.3982873	2552 3.4072807
1403 3.3807538	2453 3.3896975	2503 3.3984608	2553 3.4074508
1404 3.3809345	2454 3.3898746	2504 3.3986343	2554 3.4076209
1405 3.3811151	2455 3.3900515	2505 3.3988077	2555 3.4077907
1406 3.3812956	2456 3.3902284	2506 3.3989811	2556 3.4079608
1407 3.3814761	2457 3.3904052	2507 3.3991543	2557 3.4081307
1408 3.3816565	2458 3.3905819	2508 3.3993275	2558 3.4083005
1409 3.3818368	2459 3.3907585	2509 3.3995007	2559 3.4084703
1410 3.3820170	2460 3.3909351	2510 3.3996737	2560 3.4086400
1411 3.3821972	2461 3.3911116	2511 3.3998467	2561 3.4088106
1412 3.3823773	2462 3.3912880	2512 3.4000195	2562 3.4089811
1413 3.3825573	2463 3.3914644	2513 3.4001925	2563 3.4091518
1414 3.3827373	2464 3.3916407	2514 3.4003653	2564 3.4093224
1415 3.3829171	2465 3.3918169	2515 3.4005380	2565 3.4094929
1416 3.3830969	2466 3.3919931	2516 3.4007106	2566 3.4096635
1417 3.3832766	2467 3.3921691	2517 3.4008832	2567 3.4098340
1418 3.3834563	2468 3.3923452	2518 3.4010557	2568 3.4099995
1419 3.3836359	2469 3.3925211	2519 3.4012282	2569 3.4101701
1420 3.3838154	2470 3.3926969	2520 3.4014005	2570 3.4103406
1421 3.3839948	2471 3.3928727	2521 3.4015728	2571 3.4105111
1422 3.3841741	2472 3.3930485	2522 3.4017451	2572 3.4106816
1423 3.3843534	2473 3.3932241	2523 3.4019173	2573 3.4108521
1424 3.3845326	2474 3.3933997	2524 3.4020893	2574 3.4110226
1425 3.3847117	2475 3.3935752	2525 3.4022614	2575 3.4111931
1426 3.3848908	2476 3.3937506	2526 3.4024333	2576 3.4113636
1427 3.3850698	2477 3.3939260	2527 3.4026052	2577 3.4115341
1428 3.3852487	2478 3.3941013	2528 3.4027771	2578 3.4117046
1429 3.3854275	2479 3.3942765	2529 3.4029488	2579 3.4118751
1430 3.3856063	2480 3.3944517	2530 3.4031205	2580 3.4120456
1431 3.3857850	2481 3.3946268	2531 3.4032921	2581 3.4122161
1432 3.3859636	2482 3.3948018	2532 3.4034637	2582 3.4123866
1433 3.3861421	2483 3.3949767	2533 3.4036352	2583 3.4125571
1434 3.3863206	2484 3.3951516	2534 3.4038066	2584 3.4127276
1435 3.3864990	2485 3.3953264	2535 3.4039780	2585 3.4128981
1436 3.3866773	2486 3.3955011	2536 3.4041492	2586 3.4130686
1437 3.3868555	2487 3.3956758	2537 3.4043205	2587 3.4132391
1438 3.3870337	2488 3.3958504	2538 3.4044916	2588 3.4134096
1439 3.3872118	2489 3.3960249	2539 3.4046627	2589 3.4135801
1440 3.3873898	2490 3.3961993	2540 3.4048337	2590 3.4137506
1441 3.3875678	2491 3.3963737	2541 3.4050047	2591 3.4139211
1442 3.3877457	2492 3.3965480	2542 3.4051755	2592 3.4140916
1443 3.3879235	2493 3.3967223	2543 3.4053464	2593 3.4142621
1444 3.3881012	2494 3.3968964	2544 3.4055171	2594 3.4144326
1445 3.3882789	2495 3.3970705	2545 3.4056878	2595 3.4146031
1446 3.3884565	2496 3.3972446	2546 3.4058584	2596 3.4147736
1447 3.3886340	2497 3.3974185	2547 3.4060289	2597 3.4149441
1448 3.3888114	2498 3.3975924	2548 3.4061994	2598 3.4151146
1449 3.3889888	2499 3.3977662	2549 3.4063698	2599 3.4152851
1450 3.3891661	2500 3.3979400	2550 3.4065402	2600 3.4154556



Nun Logarith.	Nun Logarith.	Nun Logarith.	Nun Logarith.
2600 3.414733	2650 3.4232459	2700 3.4313634	2750 3.4393337
2601 3.4151434	2651 3.4234077	2701 3.4315246	2751 3.4395006
2602 3.4155073	2652 3.4235735	2702 3.4316853	2752 3.4396484
2603 3.4158742	2653 3.4237372	2703 3.4318460	2753 3.4398062
2604 3.4162410	2654 3.4239009	2704 3.4320067	2754 3.4399639
2605 3.4166077	2655 3.4240645	2705 3.4321673	2755 3.4401216
2606 3.4169744	2656 3.4242281	2706 3.4323278	2756 3.4402792
2607 3.4173410	2657 3.4243916	2707 3.4324882	2757 3.4404368
2608 3.4177076	2658 3.4245550	2708 3.4326487	2758 3.4405943
2609 3.4180741	2659 3.4247183	2709 3.4328090	2759 3.4407517
2610 3.4184405	2660 3.4248816	2710 3.4329693	2760 3.4409091
2611 3.4188069	2661 3.4250449	2711 3.4331295	2761 3.4410664
2612 3.4191732	2662 3.4252080	2712 3.4332877	2762 3.4412237
2613 3.4195394	2663 3.4253712	2713 3.4334498	2763 3.4413809
2614 3.4199056	2664 3.4255342	2714 3.4336098	2764 3.4415380
2615 3.4202717	2665 3.4256972	2715 3.4337695	2765 3.4416951
2616 3.4206377	2666 3.4258601	2716 3.4339298	2766 3.4418522
2617 3.4210037	2667 3.4260230	2717 3.4340896	2767 3.4420092
2618 3.4213696	2668 3.4261858	2718 3.4342494	2768 3.4421661
2619 3.4217355	2669 3.4263486	2719 3.4344092	2769 3.4423229
2620 3.4221013	2670 3.4265113	2720 3.4345689	2770 3.4424798
2621 3.4224670	2671 3.4266739	2721 3.4347285	2771 3.4426365
2622 3.4228327	2672 3.4268365	2722 3.4348881	2772 3.4427932
2623 3.4231983	2673 3.4269990	2723 3.4350476	2773 3.4429499
2624 3.4235638	2674 3.4271614	2724 3.4352071	2774 3.4431065
2625 3.4239293	2675 3.4273238	2725 3.4353665	2775 3.4432630
2626 3.4242947	2676 3.4274861	2726 3.4355258	2776 3.4434195
2627 3.4246601	2677 3.4276484	2727 3.4356851	2777 3.4435759
2628 3.4250254	2678 3.4278106	2728 3.4358444	2778 3.4437322
2629 3.4253906	2679 3.4279727	2729 3.4360035	2779 3.4438885
2630 3.4257557	2680 3.4281348	2730 3.4361626	2780 3.4440448
2631 3.4261208	2681 3.4282968	2731 3.4363217	2781 3.4442010
2632 3.4264859	2682 3.4284588	2732 3.4364807	2782 3.4443571
2633 3.4268509	2683 3.4286207	2733 3.4366396	2783 3.4445132
2634 3.4272158	2684 3.4287825	2734 3.4367985	2784 3.4446692
2635 3.4275805	2685 3.4289443	2735 3.4369573	2785 3.4448252
2636 3.4279454	2686 3.4291060	2736 3.4371161	2786 3.4449811
2637 3.4283101	2687 3.4292677	2737 3.4372748	2787 3.4451370
2638 3.4286743	2688 3.4294293	2738 3.4374334	2788 3.4452928
2639 3.4290384	2689 3.4295908	2739 3.4375920	2789 3.4454485
2640 3.4294029	2690 3.4297523	2740 3.4377506	2790 3.4456042
2641 3.4297684	2691 3.4299137	2741 3.4379090	2791 3.4457598
2642 3.4301328	2692 3.4300751	2742 3.4380674	2792 3.4459154
2643 3.4304972	2693 3.4302364	2743 3.4382258	2793 3.4460709
2644 3.4308614	2694 3.4303976	2744 3.4383841	2794 3.4462264
2645 3.4312257	2695 3.4305588	2745 3.4385423	2795 3.4463818
2646 3.4315900	2696 3.4307199	2746 3.4387005	2796 3.4465372
2647 3.4319539	2697 3.4308809	2747 3.4388587	2797 3.4466925
2648 3.4323180	2698 3.4310419	2748 3.4390167	2798 3.4468477
2649 3.4326820	2699 3.4312029	2749 3.4391747	2799 3.4470029
2650 3.4330459	2700 3.4313638	2750 3.4393327	2800 3.4471580



Numeri Logarith.	Numeri Logarith.	Numeri Logarith.	Numeri Logarith.
2800 3.4471580	2850 3.4546449	2900 3.4633080	2950 3.4698320
2801 3.4471611	2851 3.4546972	2901 3.4633477	2951 3.4698602
2802 3.4471641	2852 3.4547495	2902 3.4633874	2952 3.4698873
2803 3.4471671	2853 3.4548018	2903 3.4634270	2953 3.4699144
2804 3.4471700	2854 3.4548540	2904 3.4634666	2954 3.4699415
2805 3.4471729	2855 3.4549061	2905 3.4635061	2955 3.4699685
2806 3.4480877	2856 3.4557983	2906 3.4635456	2956 3.4707044
2807 3.4481424	2857 3.4559102	2907 3.4635850	2957 3.4708113
2808 3.4481971	2858 3.4560221	2908 3.4636244	2958 3.4709182
2809 3.4482517	2859 3.4561340	2909 3.4636638	2959 3.4710251
2810 3.4483063	2860 3.4562459	2910 3.4637032	2960 3.4711320
2811 3.4483608	2861 3.4563578	2911 3.4637426	2961 3.4712389
2812 3.4484153	2862 3.4564696	2912 3.4637820	2962 3.4713458
2813 3.4484697	2863 3.4565815	2913 3.4638214	2963 3.4714527
2814 3.4485241	2864 3.4566934	2914 3.4638608	2964 3.4715596
2815 3.4485784	2865 3.4568053	2915 3.4639002	2965 3.4716665
2816 3.4486328	2866 3.4569172	2916 3.4639396	2966 3.4717734
2817 3.4486871	2867 3.4570291	2917 3.4639790	2967 3.4718803
2818 3.4487415	2868 3.4571410	2918 3.4640184	2968 3.4719872
2819 3.4487958	2869 3.4572529	2919 3.4640578	2969 3.4720941
2820 3.4488501	2870 3.4573648	2920 3.4640972	2970 3.4722010
2821 3.4490031	2871 3.4580311	2921 3.4641366	2971 3.4723079
2822 3.4490570	2872 3.4581430	2922 3.4641760	2972 3.4724148
2823 3.4491109	2873 3.4582549	2923 3.4642154	2973 3.4725217
2824 3.4491648	2874 3.4583668	2924 3.4642548	2974 3.4726286
2825 3.4492187	2875 3.4584787	2925 3.4642942	2975 3.4727355
2826 3.4492726	2876 3.4585906	2926 3.4643336	2976 3.4728424
2827 3.4493265	2877 3.4587025	2927 3.4643730	2977 3.4729493
2828 3.4493804	2878 3.4588144	2928 3.4644124	2978 3.4730562
2829 3.4494343	2879 3.4589263	2929 3.4644518	2979 3.4731631
2830 3.4494882	2880 3.4590382	2930 3.4644912	2980 3.4732700
2831 3.4495421	2881 3.4591501	2931 3.4645306	2981 3.4733769
2832 3.4495960	2882 3.4592620	2932 3.4645700	2982 3.4734838
2833 3.4496499	2883 3.4593739	2933 3.4646094	2983 3.4735907
2834 3.4497038	2884 3.4594858	2934 3.4646488	2984 3.4736976
2835 3.4497577	2885 3.4595977	2935 3.4646882	2985 3.4738045
2836 3.4498116	2886 3.4601096	2936 3.4647276	2986 3.4739114
2837 3.4498655	2887 3.4602215	2937 3.4647670	2987 3.4740183
2838 3.4499194	2888 3.4603334	2938 3.4648064	2988 3.4741252
2839 3.4499733	2889 3.4604453	2939 3.4648458	2989 3.4742321
2840 3.4500272	2890 3.4605572	2940 3.4648852	2990 3.4743390
2841 3.4500811	2891 3.4606691	2941 3.4649246	2991 3.4744459
2842 3.4501350	2892 3.4607810	2942 3.4649640	2992 3.4745528
2843 3.4501889	2893 3.4608929	2943 3.4650034	2993 3.4746597
2844 3.4502428	2894 3.4610048	2944 3.4650428	2994 3.4747666
2845 3.4502967	2895 3.4611167	2945 3.4650822	2995 3.4748735
2846 3.4503506	2896 3.4612286	2946 3.4651216	2996 3.4749804
2847 3.4504045	2897 3.4613405	2947 3.4651610	2997 3.4750873
2848 3.4504584	2898 3.4614524	2948 3.4652004	2998 3.4751942
2849 3.4505123	2899 3.4615643	2949 3.4652398	2999 3.4753011
2850 3.4505662	2900 3.4616762	2950 3.4652792	3000 3.4754080

Nr n Logarith.	Nr n Logarith.	Nr n Logarith.	Nr n Logarith.
3003 3.4771212	3019 3.4812302	3100 3.4915017	3180 3.4995208
3004 3.4772000	3020 3.4814448	3101 3.4915085	3181 3.4995286
3005 3.4772776	3021 3.4816594	3102 3.4915153	3182 3.4995364
3006 3.4773553	3022 3.4818740	3103 3.4915221	3183 3.4995442
3007 3.4774330	3023 3.4820886	3104 3.4915289	3184 3.4995520
3008 3.4775107	3024 3.4823032	3105 3.4915357	3185 3.4995598
3009 3.4775884	3025 3.4825178	3106 3.4915425	3186 3.4995676
3010 3.4776661	3026 3.4827324	3107 3.4915493	3187 3.4995754
3011 3.4777438	3027 3.4829470	3108 3.4915561	3188 3.4995832
3012 3.4778215	3028 3.4831616	3109 3.4915629	3189 3.4995910
3013 3.4778992	3029 3.4833762	3110 3.4915697	3190 3.4995988
3014 3.4779769	3030 3.4835908	3111 3.4915765	3191 3.4996066
3015 3.4780546	3031 3.4838054	3112 3.4915833	3192 3.4996144
3016 3.4781323	3032 3.4840200	3113 3.4915901	3193 3.4996222
3017 3.4782100	3033 3.4842346	3114 3.4915969	3194 3.4996300
3018 3.4782877	3034 3.4844492	3115 3.4916037	3195 3.4996378
3019 3.4783654	3035 3.4846638	3116 3.4916105	3196 3.4996456
3020 3.4784431	3036 3.4848784	3117 3.4916173	3197 3.4996534
3021 3.4785208	3037 3.4850930	3118 3.4916241	3198 3.4996612
3022 3.4785985	3038 3.4853076	3119 3.4916309	3199 3.4996690
3023 3.4786762	3039 3.4855222	3120 3.4916377	3200 3.4996768
3024 3.4787539	3040 3.4857368	3121 3.4916445	3201 3.4996846
3025 3.4788316	3041 3.4859514	3122 3.4916513	3202 3.4996924
3026 3.4789093	3042 3.4861660	3123 3.4916581	3203 3.4997002
3027 3.4789870	3043 3.4863806	3124 3.4916649	3204 3.4997080
3028 3.4790647	3044 3.4865952	3125 3.4916717	3205 3.4997158
3029 3.4791424	3045 3.4868098	3126 3.4916785	3206 3.4997236
3030 3.4792201	3046 3.4870244	3127 3.4916853	3207 3.4997314
3031 3.4792978	3047 3.4872390	3128 3.4916921	3208 3.4997392
3032 3.4793755	3048 3.4874536	3129 3.4916989	3209 3.4997470
3033 3.4794532	3049 3.4876682	3130 3.4917057	3210 3.4997548
3034 3.4795309	3050 3.4878828	3131 3.4917125	3211 3.4997626
3035 3.4796086	3051 3.4880974	3132 3.4917193	3212 3.4997704
3036 3.4796863	3052 3.4883120	3133 3.4917261	3213 3.4997782
3037 3.4797640	3053 3.4885266	3134 3.4917329	3214 3.4997860
3038 3.4798417	3054 3.4887412	3135 3.4917397	3215 3.4997938
3039 3.4799194	3055 3.4889558	3136 3.4917465	3216 3.4998016
3040 3.4800000	3056 3.4891704	3137 3.4917533	3217 3.4998094
3041 3.4800806	3057 3.4893850	3138 3.4917601	3218 3.4998172
3042 3.4801612	3058 3.4895996	3139 3.4917669	3219 3.4998250
3043 3.4802418	3059 3.4898142	3140 3.4917737	3220 3.4998328
3044 3.4803224	3060 3.4900288	3141 3.4917805	3221 3.4998406
3045 3.4804030	3061 3.4902434	3142 3.4917873	3222 3.4998484
3046 3.4804836	3062 3.4904580	3143 3.4917941	3223 3.4998562
3047 3.4805642	3063 3.4906726	3144 3.4918009	3224 3.4998640
3048 3.4806448	3064 3.4908872	3145 3.4918077	3225 3.4998718
3049 3.4807254	3065 3.4911018	3146 3.4918145	3226 3.4998796
3050 3.4808060	3066 3.4913164	3147 3.4918213	3227 3.4998874
3051 3.4808866	3067 3.4915310	3148 3.4918281	3228 3.4998952
3052 3.4809672	3068 3.4917456	3149 3.4918349	3229 3.4999030
3053 3.4810478	3069 3.4919602	3150 3.4918417	3230 3.4999108
3054 3.4811284	3070 3.4921748	3151 3.4918485	3231 3.4999186
3055 3.4812090	3071 3.4923894	3152 3.4918553	3232 3.4999264
3056 3.4812896	3072 3.4926040	3153 3.4918621	3233 3.4999342
3057 3.4813702	3073 3.4928186	3154 3.4918689	3234 3.4999420
3058 3.4814508	3074 3.4930332	3155 3.4918757	3235 3.4999498
3059 3.4815314	3075 3.4932478	3156 3.4918825	3236 3.4999576
3060 3.4816120	3076 3.4934624	3157 3.4918893	3237 3.4999654
3061 3.4816926	3077 3.4936770	3158 3.4918961	3238 3.4999732
3062 3.4817732	3078 3.4938916	3159 3.4919029	3239 3.4999810
3063 3.4818538	3079 3.4941062	3160 3.4919097	3240 3.4999888
3064 3.4819344	3080 3.4943208	3161 3.4919165	3241 3.4999966
3065 3.4820150	3081 3.4945354	3162 3.4919233	3242 3.5000044
3066 3.4820956	3082 3.4947500	3163 3.4919301	3243 3.5000122
3067 3.4821762	3083 3.4949646	3164 3.4919369	3244 3.5000200
3068 3.4822568	3084 3.4951792	3165 3.4919437	3245 3.5000278
3069 3.4823374	3085 3.4953938	3166 3.4919505	3246 3.5000356
3070 3.4824180	3086 3.4956084	3167 3.4919573	3247 3.5000434
3071 3.4824986	3087 3.4958230	3168 3.4919641	3248 3.5000512
3072 3.4825792	3088 3.4960376	3169 3.4919709	3249 3.5000590
3073 3.4826598	3089 3.4962522	3170 3.4919777	3250 3.5000668
3074 3.4827404	3090 3.4964668	3171 3.4919845	3251 3.5000746
3075 3.4828210	3091 3.4966814	3172 3.4919913	3252 3.5000824
3076 3.4829016	3092 3.4968960	3173 3.4919981	3253 3.5000902
3077 3.4829822	3093 3.4971106	3174 3.4920049	3254 3.5000980
3078 3.4830628	3094 3.4973252	3175 3.4920117	3255 3.5001058
3079 3.4831434	3095 3.4975398	3176 3.4920185	3256 3.5001136
3080 3.4832240	3096 3.4977544	3177 3.4920253	3257 3.5001214
3081 3.4833046	3097 3.4979690	3178 3.4920321	3258 3.5001292
3082 3.4833852	3098 3.4981836	3179 3.4920389	3259 3.5001370
3083 3.4834658	3099 3.4983982	3180 3.4920457	3260 3.5001448
3084 3.4835464	3100 3.4986128	3181 3.4920525	3261 3.5001526
3085 3.4836270		3182 3.4920593	3262 3.5001604
3086 3.4837076		3183 3.4920661	3263 3.5001682
3087 3.4837882		3184 3.4920729	3264 3.5001760
3088 3.4838688		3185 3.4920797	3265 3.5001838
3089 3.4839494		3186 3.4920865	3266 3.5001916
3090 3.4840300		3187 3.4920933	3267 3.5001994
3091 3.4841106		3188 3.4921001	3268 3.5002072
3092 3.4841912		3189 3.4921069	3269 3.5002150
3093 3.4842718		3190 3.4921137	3270 3.5002228
3094 3.4843524		3191 3.4921205	3271 3.5002306
3095 3.4844330		3192 3.4921273	3272 3.5002384
3096 3.4845136		3193 3.4921341	3273 3.5002462
3097 3.4845942		3194 3.4921409	3274 3.5002540
3098 3.4846748		3195 3.4921477	3275 3.5002618
3099 3.4847554		3196 3.4921545	3276 3.5002696
3100 3.4848360		3197 3.4921613	3277 3.5002774

Tabula Logarithmorum.

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32002.5011100	32102.5118354	32202.5218730	32302.5319048
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32004.5014813	32104.5121805	32204.5218777	32304.5319300
32005.5016869	32105.5123441	32205.5218906	32305.5320435
32006.5019025	32106.5124175	32206.5219040	32306.5321691
32007.5021281	32107.5124510	32207.5219175	32307.5322995
32008.5023635	32108.5126844	32208.5219308	32308.5324319
32009.5026090	32109.5128178	32209.5219441	32309.5325613
32010.5028644	32110.5129511	32210.5219575	32310.5326907
32011.5031297	32111.5130844	32211.5219708	32311.5328200
32012.5034050	32112.5132178	32212.5219840	32312.5329495
32013.5036803	32113.5133508	32213.5219973	32313.5330789
32014.5039555	32114.5134840	32214.5220093	32314.5332084
32015.5042307	32115.5136171	32215.5220214	32315.5333378
32016.5045059	32116.5137501	32216.5220335	32316.5334671
32017.5047810	32117.5138832	32217.5220455	32317.5335965
32018.5050560	32118.5140163	32218.5220575	32318.5337258
32019.5053311	32119.5141491	32219.5220695	32319.5338551
32020.5056060	32120.5142820	32220.5220815	32320.5339845
32021.5058809	32121.5144149	32221.5220935	32321.5341138
32022.5061558	32122.5145478	32222.5221055	32322.5342431
32023.5064306	32123.5146805	32223.5221175	32323.5343725
32024.5067054	32124.5148133	32224.5221295	32324.5345018
32025.5069802	32125.5149460	32225.5221415	32325.5346311
32026.5072550	32126.5150787	32226.5221535	32326.5347605
32027.5075297	32127.5152113	32227.5221655	32327.5348898
32028.5078044	32128.5153440	32228.5221775	32328.5350191
32029.5080790	32129.5154766	32229.5221895	32329.5351485
32030.5083535	32130.5156092	32230.5222015	32330.5352778
32031.5086280	32131.5157418	32231.5222135	32331.5354071
32032.5089025	32132.5158744	32232.5222255	32332.5355365
32033.5091769	32133.5160069	32233.5222375	32333.5356658
32034.5094513	32134.5161395	32234.5222495	32334.5357951
32035.5097257	32135.5162720	32235.5222615	32335.5359245
32036.5100000	32136.5164045	32236.5222735	32336.5360538
32037.5102743	32137.5165370	32237.5222855	32337.5361831
32038.5105486	32138.5166695	32238.5222975	32338.5363125
32039.5108229	32139.5168020	32239.5223095	32339.5364418
32040.5110972	32140.5169345	32240.5223215	32340.5365711
32041.5113714	32141.5170670	32241.5223335	32341.5367005
32042.5116457	32142.5171995	32242.5223455	32342.5368298
32043.5119200	32143.5173320	32243.5223575	32343.5369591
32044.5121942	32144.5174645	32244.5223695	32344.5370885
32045.5124685	32145.5175970	32245.5223815	32345.5372178
32046.5127427	32146.5177295	32246.5223935	32346.5373471
32047.5130170	32147.5178620	32247.5224055	32347.5374765
32048.5132912	32148.5179945	32248.5224175	32348.5376058
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32050.5138396	32150.5182595	32250.5224415	32350.5378645

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3402 3.5317243	3412 3.5380708	3502 3.5442481	3512 3.5505730
3403 3.5318489	3413 3.5381956	3503 3.5443681	3513 3.5506952
3404 3.5319695	3414 3.5383223	3504 3.5444881	3514 3.5508174
3405 3.5321171	3415 3.5384491	3505 3.5446080	3515 3.5509396
3406 3.5322444	3416 3.5385737	3506 3.5447280	3516 3.5510618
3407 3.5323721	3417 3.5386980	3507 3.5448480	3517 3.5511839
3408 3.5324996	3418 3.5388180	3508 3.5449680	3518 3.5513061
3409 3.5326370	3419 3.5389406	3509 3.5450881	3519 3.5514283
3410 3.5327744	3420 3.5390701	3510 3.5452081	3520 3.5515505
3411 3.5329117	3421 3.5392016	3511 3.5453280	3521 3.5516727
3412 3.5330090	3422 3.5393271	3512 3.5454481	3522 3.5517949
3413 3.5331203	3423 3.5394515	3513 3.5455681	3523 3.5519171
3414 3.5332315	3424 3.5395779	3514 3.5456881	3524 3.5520393
3415 3.5333397	3425 3.5397032	3515 3.5458081	3525 3.5521615
3416 3.5334519	3426 3.5398286	3516 3.5459280	3526 3.5522837
3417 3.5335640	3427 3.5399538	3517 3.5460481	3527 3.5524059
3418 3.5336721	3428 3.5400791	3518 3.5461681	3528 3.5525281
3419 3.5337801	3429 3.5402045	3519 3.5462881	3529 3.5526503
3420 3.5338921	3430 3.5403295	3520 3.5464081	3530 3.5527725
3421 3.5340131	3431 3.5404546	3521 3.5465281	3531 3.5528947
3422 3.5341280	3432 3.5405797	3522 3.5466481	3532 3.5530169
3423 3.5342466	3433 3.5407048	3523 3.5467681	3533 3.5531391
3424 3.5343638	3434 3.5408298	3524 3.5468881	3534 3.5532613
3425 3.5344806	3435 3.5409548	3525 3.5470081	3535 3.5533835
3426 3.5346074	3436 3.5410795	3526 3.5471281	3536 3.5535057
3427 3.5347241	3437 3.5412047	3527 3.5472481	3537 3.5536279
3428 3.5348408	3438 3.5413296	3528 3.5473681	3538 3.5537501
3429 3.5349571	3439 3.5414544	3529 3.5474881	3539 3.5538723
3430 3.5350731	3440 3.5415792	3530 3.5476081	3540 3.5539945
3431 3.5351897	3441 3.5417040	3531 3.5477281	3541 3.5541167
3432 3.5353060	3442 3.5418288	3532 3.5478481	3542 3.5542389
3433 3.5354223	3443 3.5419535	3533 3.5479681	3543 3.5543611
3434 3.5355385	3444 3.5420781	3534 3.5480881	3544 3.5544833
3435 3.5356547	3445 3.5422028	3535 3.5482081	3545 3.5546055
3436 3.5357712	3446 3.5423274	3536 3.5483281	3546 3.5547277
3437 3.5358879	3447 3.5424519	3537 3.5484481	3547 3.5548500
3438 3.5360050	3448 3.5425765	3538 3.5485681	3548 3.5549722
3439 3.5361212	3449 3.5427010	3539 3.5486881	3549 3.5550944
3440 3.5362384	3450 3.5428254	3540 3.5488081	3550 3.5552166
3441 3.5363547	3451 3.5429498	3541 3.5489281	3551 3.5553388
3442 3.5364710	3452 3.5430742	3542 3.5490481	3552 3.5554610
3443 3.5365870	3453 3.5431986	3543 3.5491681	3553 3.5555832
3444 3.5367031	3454 3.5433230	3544 3.5492881	3554 3.5557054
3445 3.5368182	3455 3.5434472	3545 3.5494081	3555 3.5558276
3446 3.5369343	3456 3.5435714	3546 3.5495281	3556 3.5559498
3447 3.5370493	3457 3.5436956	3547 3.5496481	3557 3.5560720
3448 3.5371672	3458 3.5438198	3548 3.5497681	3558 3.5561942
3449 3.5372851	3459 3.5439439	3549 3.5498881	3559 3.5563164
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3603	3.556317	3603	3.556317	3703	3.568785	3703	3.568785
3604	3.556453	3604	3.556453	3704	3.568919	3704	3.568919
3605	3.556589	3605	3.556589	3705	3.569053	3705	3.569053
3606	3.556725	3606	3.556725	3706	3.569187	3706	3.569187
3607	3.556861	3607	3.556861	3707	3.569321	3707	3.569321
3608	3.556997	3608	3.556997	3708	3.569455	3708	3.569455
3609	3.557133	3609	3.557133	3709	3.569589	3709	3.569589
3610	3.557269	3610	3.557269	3710	3.569723	3710	3.569723
3611	3.557405	3611	3.557405	3711	3.569857	3711	3.569857
3612	3.557541	3612	3.557541	3712	3.569991	3712	3.569991
3613	3.557677	3613	3.557677	3713	3.570125	3713	3.570125
3614	3.557813	3614	3.557813	3714	3.570259	3714	3.570259
3615	3.557949	3615	3.557949	3715	3.570393	3715	3.570393
3616	3.558085	3616	3.558085	3716	3.570527	3716	3.570527
3617	3.558221	3617	3.558221	3717	3.570661	3717	3.570661
3618	3.558357	3618	3.558357	3718	3.570795	3718	3.570795
3619	3.558493	3619	3.558493	3719	3.570929	3719	3.570929
3620	3.558629	3620	3.558629	3720	3.571063	3720	3.571063
3621	3.558765	3621	3.558765	3721	3.571197	3721	3.571197
3622	3.558901	3622	3.558901	3722	3.571331	3722	3.571331
3623	3.559037	3623	3.559037	3723	3.571465	3723	3.571465
3624	3.559173	3624	3.559173	3724	3.571599	3724	3.571599
3625	3.559309	3625	3.559309	3725	3.571733	3725	3.571733
3626	3.559445	3626	3.559445	3726	3.571867	3726	3.571867
3627	3.559581	3627	3.559581	3727	3.572001	3727	3.572001
3628	3.559717	3628	3.559717	3728	3.572135	3728	3.572135
3629	3.559853	3629	3.559853	3729	3.572269	3729	3.572269
3630	3.559989	3630	3.559989	3730	3.572403	3730	3.572403
3631	3.560125	3631	3.560125	3731	3.572537	3731	3.572537
3632	3.560261	3632	3.560261	3732	3.572671	3732	3.572671
3633	3.560397	3633	3.560397	3733	3.572805	3733	3.572805
3634	3.560533	3634	3.560533	3734	3.572939	3734	3.572939
3635	3.560669	3635	3.560669	3735	3.573073	3735	3.573073
3636	3.560805	3636	3.560805	3736	3.573207	3736	3.573207
3637	3.560941	3637	3.560941	3737	3.573341	3737	3.573341
3638	3.561077	3638	3.561077	3738	3.573475	3738	3.573475
3639	3.561213	3639	3.561213	3739	3.573609	3739	3.573609
3640	3.561349	3640	3.561349	3740	3.573743	3740	3.573743
3641	3.561485	3641	3.561485	3741	3.573877	3741	3.573877
3642	3.561621	3642	3.561621	3742	3.574011	3742	3.574011
3643	3.561757	3643	3.561757	3743	3.574145	3743	3.574145
3644	3.561893	3644	3.561893	3744	3.574279	3744	3.574279
3645	3.562029	3645	3.562029	3745	3.574413	3745	3.574413
3646	3.562165	3646	3.562165	3746	3.574547	3746	3.574547
3647	3.562301	3647	3.562301	3747	3.574681	3747	3.574681
3648	3.562437	3648	3.562437	3748	3.574815	3748	3.574815
3649	3.562573	3649	3.562573	3749	3.574949	3749	3.574949
3650	3.562709	3650	3.562709	3750	3.575083	3750	3.575083

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2872 1-1770049	2882 1-1770041	2892 1-1770033	2902 1-1770025
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3272 1-1769725	3282 1-1769717	3292 1-1769709	3302 1-1769701
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3872 1-1769245	3882 1-1769237	3892 1-1769229	3902 1-1769221
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4308	1	634448		4309	1	634449		4310	1	634450		4311	1	634451	
4312	1	634452		4313	1	634453		4314	1	634454		4315	1	634455	
4316	1	634456		4317	1	634457		4318	1	634458		4319	1	634459	
4320	1	634460		4321	1	634461		4322	1	634462		4323	1	634463	
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4328	1	634468		4329	1	634469		4330	1	634470		4331	1	634471	
4332	1	634472		4333	1	634473		4334	1	634474		4335	1	634475	
4336	1	634476		4337	1	634477		4338	1	634478		4339	1	634479	
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48493.6856710	48593.6861229	49493.6945230	49593.6968883
48503.6857614	48603.6862123	49503.6946112	49603.6969756

Nam Logarith.	Nam Logarith.	Nam Logarith.	Nam Logarith.
5000 3.699700	5010 3.7032914	5100 3.7025701	5110 3.7118071
5001 3.6997069	5011 3.7033774	5101 3.7026553	5111 3.7118911
5002 3.6997137	5012 3.7034633	5102 3.7027405	5112 3.7119759
5003 3.6997205	5013 3.7035493	5103 3.7028256	5113 3.7120601
5004 3.6997273	5014 3.7036352	5104 3.7029107	5114 3.7121444
5005 3.6997341	5015 3.7037212	5105 3.7029957	5115 3.7122287
5006 3.6997408	5016 3.7038071	5106 3.7030808	5116 3.7123129
5007 3.6997476	5017 3.7038929	5107 3.7031659	5117 3.7123971
5008 3.6997544	5018 3.7039788	5108 3.7032509	5118 3.7124813
5009 3.6997612	5019 3.7040647	5109 3.7033359	5119 3.7125655
5010 3.6997679	5020 3.7041505	5110 3.7034209	5120 3.7126497
5011 3.6997747	5021 3.7042363	5111 3.7035059	5121 3.7127339
5012 3.7000111	5022 3.7043221	5112 3.7035908	5122 3.7128181
5013 3.7000277	5023 3.7044079	5113 3.7036758	5123 3.7129023
5014 3.7000443	5024 3.7044937	5114 3.7037609	5124 3.7129865
5015 3.7000609	5025 3.7045794	5115 3.7038456	5125 3.7130707
5016 3.7000775	5026 3.7046652	5116 3.7039305	5126 3.7131549
5017 3.7000941	5027 3.7047509	5117 3.7040154	5127 3.7132391
5018 3.7001107	5028 3.7048366	5118 3.7041003	5128 3.7133233
5019 3.7001272	5029 3.7049223	5119 3.7041851	5129 3.7134075
5020 3.7001437	5030 3.7050080	5120 3.7042700	5130 3.7134917
5021 3.7001602	5031 3.7050936	5121 3.7043548	5131 3.7135759
5022 3.7001767	5032 3.7051792	5122 3.7044396	5132 3.7136601
5023 3.7001932	5033 3.7052649	5123 3.7045244	5133 3.7137443
5024 3.7002096	5034 3.7053505	5124 3.7046091	5134 3.7138285
5025 3.7002261	5035 3.7054362	5125 3.7046939	5135 3.7139127
5026 3.7012215	5036 3.7055216	5126 3.7047786	5136 3.7139969
5027 3.7013083	5037 3.7056072	5127 3.7048633	5137 3.7140811
5028 3.7013953	5038 3.7056927	5128 3.7049480	5138 3.7141653
5029 3.7014816	5039 3.7057783	5129 3.7050327	5139 3.7142495
5030 3.7015680	5040 3.7058637	5130 3.7051174	5140 3.7143337
5031 3.7016543	5041 3.7059492	5131 3.7102020	5141 3.7144179
5032 3.7017406	5042 3.7060347	5132 3.7102866	5142 3.7145021
5033 3.7018269	5043 3.7061201	5133 3.7103713	5143 3.7145863
5034 3.7019132	5044 3.7062055	5134 3.7104559	5144 3.7146705
5035 3.7019995	5045 3.7062910	5135 3.7105404	5145 3.7147547
5036 3.7020857	5046 3.7063764	5136 3.7106250	5146 3.7148389
5037 3.7021719	5047 3.7064617	5137 3.7107096	5147 3.7149231
5038 3.7022582	5048 3.7065471	5138 3.7107941	5148 3.7150073
5039 3.7023444	5049 3.7066324	5139 3.7108786	5149 3.7150915
5040 3.7024306	5050 3.7067178	5140 3.7109631	5150 3.7151757
5041 3.7025167	5051 3.7058031	5141 3.7110476	5151 3.7152600
5042 3.7026028	5052 3.7068884	5142 3.7111321	5152 3.7153442
5043 3.7026890	5053 3.7069737	5143 3.7112165	5153 3.7154284
5044 3.7027751	5054 3.7070589	5144 3.7113010	5154 3.7155126
5045 3.7028612	5055 3.7071442	5145 3.7113854	5155 3.7155968
5046 3.7029472	5056 3.7072294	5146 3.7114698	5156 3.7156810
5047 3.7030333	5057 3.7073146	5147 3.7115542	5157 3.7157652
5048 3.7031193	5058 3.7073998	5148 3.7116385	5158 3.7158494
5049 3.7032054	5059 3.7074850	5149 3.7117229	5159 3.7159336
5050 3.7032914	5100 3.7075701	5150 3.7118071	5200 3.7160178

Tabula Logarithmorum.

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Non Logarith.	Non Logarith.	Non Logarith.	Non Logarith.
1201 3.7160033	1240 3.7201503	1300 3.7243759	1350 3.7285328
1202 3.7160069	1241 3.7201430	1301 3.7243574	1351 3.7285140
1203 3.7160103	1242 3.7201347	1302 3.7243397	1352 3.7284951
1204 3.7160138	1243 3.7201254	1303 3.7243210	1353 3.7284764
1205 3.7160173	1244 3.7201161	1304 3.7243023	1354 3.7284574
1206 3.7160207	1245 3.7201067	1305 3.7242834	1355 3.7284385
1207 3.7160241	1246 3.7200974	1306 3.7242645	1356 3.7284196
1208 3.7160276	1247 3.7200880	1307 3.7242456	1357 3.7284006
1209 3.7160310	1248 3.7200787	1308 3.7242267	1358 3.7283816
1210 3.7160344	1249 3.7200693	1309 3.7242077	1359 3.7283627
1211 3.7160379	1250 3.7200600	1310 3.7241888	1360 3.7283437
1212 3.7160413	1251 3.7200506	1311 3.7241698	1361 3.7283248
1213 3.7160448	1252 3.7200413	1312 3.7241508	1362 3.7283058
1214 3.7160482	1253 3.7200319	1313 3.7241318	1363 3.7282868
1215 3.7160517	1254 3.7200226	1314 3.7241128	1364 3.7282678
1216 3.7160551	1255 3.7200132	1315 3.7240938	1365 3.7282488
1217 3.7160586	1256 3.7200039	1316 3.7240748	1366 3.7282298
1218 3.7160620	1257 3.7199945	1317 3.7240558	1367 3.7282108
1219 3.7160655	1258 3.7199852	1318 3.7240368	1368 3.7281918
1220 3.7160689	1259 3.7199758	1319 3.7240178	1369 3.7281728
1221 3.7160724	1260 3.7199665	1320 3.7239988	1370 3.7281538
1222 3.7160758	1261 3.7199571	1321 3.7239798	1371 3.7281348
1223 3.7160793	1262 3.7199478	1322 3.7239608	1372 3.7281158
1224 3.7160827	1263 3.7199384	1323 3.7239418	1373 3.7280968
1225 3.7160862	1264 3.7199291	1324 3.7239228	1374 3.7280778
1226 3.7160896	1265 3.7199197	1325 3.7239038	1375 3.7280588
1227 3.7160931	1266 3.7199104	1326 3.7238848	1376 3.7280398
1228 3.7160965	1267 3.7199010	1327 3.7238658	1377 3.7280208
1229 3.7160999	1268 3.7198917	1328 3.7238468	1378 3.7280018
1230 3.7161034	1269 3.7198823	1329 3.7238278	1379 3.7279828
1231 3.7161068	1270 3.7198730	1330 3.7238088	1380 3.7279638
1232 3.7161103	1271 3.7198636	1331 3.7237898	1381 3.7279448
1233 3.7161137	1272 3.7198543	1332 3.7237708	1382 3.7279258
1234 3.7161172	1273 3.7198449	1333 3.7237518	1383 3.7279068
1235 3.7161206	1274 3.7198356	1334 3.7237328	1384 3.7278878
1236 3.7161241	1275 3.7198262	1335 3.7237138	1385 3.7278688
1237 3.7161275	1276 3.7198169	1336 3.7236948	1386 3.7278498
1238 3.7161310	1277 3.7198075	1337 3.7236758	1387 3.7278308
1239 3.7161344	1278 3.7197982	1338 3.7236568	1388 3.7278118
1240 3.7161379	1279 3.7197888	1339 3.7236378	1389 3.7277928
1241 3.7161413	1280 3.7197795	1340 3.7236188	1390 3.7277738
1242 3.7161448	1281 3.7197701	1341 3.7235998	1391 3.7277548
1243 3.7161482	1282 3.7197608	1342 3.7235808	1392 3.7277358
1244 3.7161517	1283 3.7197514	1343 3.7235618	1393 3.7277168
1245 3.7161551	1284 3.7197421	1344 3.7235428	1394 3.7276978
1246 3.7161586	1285 3.7197327	1345 3.7235238	1395 3.7276788
1247 3.7161620	1286 3.7197234	1346 3.7235048	1396 3.7276598
1248 3.7161655	1287 3.7197140	1347 3.7234858	1397 3.7276408
1249 3.7161689	1288 3.7197047	1348 3.7234668	1398 3.7276218
1250 3.7161724	1289 3.7196953	1349 3.7234478	1399 3.7276028
1251 3.7161758	1290 3.7196860	1350 3.7234288	1400 3.7275838
1252 3.7161793	1291 3.7233378	1351 3.7234098	1401 3.7275648
1253 3.7161827	1292 3.7233188	1352 3.7233908	1402 3.7275458
1254 3.7161862	1293 3.7232998	1353 3.7233718	1403 3.7275268
1255 3.7161896	1294 3.7232808	1354 3.7233528	1404 3.7275078
1256 3.7161931	1295 3.7232618	1355 3.7233338	1405 3.7274888
1257 3.7161965	1296 3.7232428	1356 3.7233148	1406 3.7274698
1258 3.7161999	1297 3.7232238	1357 3.7232958	1407 3.7274508
1259 3.7162034	1298 3.7232048	1358 3.7232768	1408 3.7274318
1260 3.7162068	1299 3.7231858	1359 3.7232578	1409 3.7274128
1261 3.7162103	1300 3.7231668	1360 3.7232388	1410 3.7273938
1262 3.7162137	1301 3.7231478	1361 3.7232198	1411 3.7273748
1263 3.7162172	1302 3.7231288	1362 3.7232008	1412 3.7273558
1264 3.7162206	1303 3.7231098	1363 3.7231818	1413 3.7273368
1265 3.7162241	1304 3.7230908	1364 3.7231628	1414 3.7273178
1266 3.7162275	1305 3.7230718	1365 3.7231438	1415 3.7272988
1267 3.7162310	1306 3.7230528	1366 3.7231248	1416 3.7272798
1268 3.7162344	1307 3.7230338	1367 3.7231058	1417 3.7272608
1269 3.7162379	1308 3.7230148	1368 3.7230868	1418 3.7272418
1270 3.7162413	1309 3.7229958	1369 3.7230678	1419 3.7272228
1271 3.7162448	1310 3.7229768	1370 3.7230488	1420 3.7272038
1272 3.7162482	1311 3.7229578	1371 3.7230298	1421 3.7271848
1273 3.7162517	1312 3.7229388	1372 3.7230108	1422 3.7271658
1274 3.7162551	1313 3.7229198	1373 3.7229918	1423 3.7271468
1275 3.7162586	1314 3.7229008	1374 3.7229728	1424 3.7271278
1276 3.7162620	1315 3.7228818	1375 3.7229538	1425 3.7271088
1277 3.7162655	1316 3.7228628	1376 3.7229348	1426 3.7270898
1278 3.7162689	1317 3.7228438	1377 3.7229158	1427 3.7270708
1279 3.7162724	1318 3.7228248	1378 3.7228968	1428 3.7270518
1280 3.7162758	1319 3.7228058	1379 3.7228778	1429 3.7270328
1281 3.7162793	1320 3.7227868	1380 3.7228588	1430 3.7270138
1282 3.7162827	1321 3.7227678	1381 3.7228398	1431 3.7269948
1283 3.7162862	1322 3.7227488	1382 3.7228208	1432 3.7269758
1284 3.7162896	1323 3.7227298	1383 3.7228018	1433 3.7269568
1285 3.7162931	1324 3.7227108	1384 3.7227828	1434 3.7269378
1286 3.7162965	1325 3.7226918	1385 3.7227638	1435 3.7269188
1287 3.7162999	1326 3.7226728	1386 3.7227448	1436 3.7268998
1288 3.7163034	1327 3.7226538	1387 3.7227258	1437 3.7268808
1289 3.7163068	1328 3.7226348	1388 3.7227068	1438 3.7268618
1290 3.7163103	1329 3.7226158	1389 3.7226878	1439 3.7268428
1291 3.7163137	1330 3.7225968	1390 3.7226688	1440 3.7268238
1292 3.7163172	1331 3.7225778	1391 3.7226498	1441 3.7268048
1293 3.7163206	1332 3.7225588	1392 3.7226308	1442 3.7267858
1294 3.7163241	1333 3.7225398	1393 3.7226118	1443 3.7267668
1295 3.7163275	1334 3.7225208	1394 3.7225928	1444 3.7267478
1296 3.7163310	1335 3.7225018	1395 3.7225738	1445 3.7267288
1297 3.7163344	1336 3.7224828	1396 3.7225548	1446 3.7267098
1298 3.7163379	1337 3.7224638	1397 3.7225358	1447 3.7266908
1299 3.7163413	1338 3.7224448	1398 3.7225168	1448 3.7266718
1300 3.7163448	1339 3.7224258	1399 3.7224978	1449 3.7266528
1301 3.7163482	1340 3.7224068	1400 3.7224788	1450 3.7266338
1302 3.7163517	1341 3.7223878	1401 3.7224598	1451 3.7266148
1303 3.7163551	1342 3.7223688	1402 3.7224408	1452 3.7265958
1304 3.7163586	1343 3.7223498	1403 3.7224218	1453 3.7265768
1305 3.7163620	1344 3.7223308	1404 3.7224028	1454 3.7265578
1306 3.7163655	1345 3.7223118	1405 3.7223838	1455 3.7265388
1307 3.7163689	1346 3.7222928	1406 3.7223648	1456 3.7265198
1308 3.7163724	1347 3.7222738	1407 3.7223458	1457 3.7265008
1309 3.7163758	1348 3.7222548	1408 3.7223268	1458 3.7264818
1310 3.7163793	1349 3.7222358	1409 3.7223078	1459 3.7264628
1311 3.7163827	1350 3.7222168	1410 3.7222888	1460 3.7264438
1312 3.7163862	1351 3.7221978	1411 3.7222698	1461 3.7264248
1313 3.7163896	1352 3.7221788	1412 3.7222508	1462 3.7264058
1314 3.7163931	1353 3.7221598	1413 3.7222318	1463 3.7263868
1315 3.7163965	1354 3.7221408	1414 3.7222128	1464 3.7263678
1316 3.7164000	1355 3.7221218	1415 3.7221938	1465 3.7263488
1317 3.7164034	1356 3.7221028	1416 3.7221748	1466 3.7263298
1318 3.7164069	1357 3.7220838	1417 3.7221558	1467 3.7263108
1319 3.7164103	1358 3.7220648	1418 3.7221368	1468 3.7262918
1320 3.7164138	1359 3.7220458	1419 3.7221178	1469 3.7262728
1321 3.7164172	1360 3.7220268	1420 3.7220988	1470 3.7262538
1322 3.7164207	1361 3.7220078	1421 3.7220798	1471 3.7262348
1323 3.7164241	1362 3.7219888	1422 3.7220608	1472 3.7262158
1324 3.7164276	1363 3.7219698	1423 3.7220418	1473 3.7261968
1325 3.7164310	1364 3.7219508	1424 3.7220228	1474 3.7261778
1326 3.7164345	1365 3.7219318	1425 3.7220038	1475 3.7261588
1327 3.7164379	1366 3.7219128	1426 3.7219848	1476 3.7261398
1328 3.7164414	1367 3.7218938	1427 3.7219658	1477 3.7261208
1329 3.7164448	1368 3.7218748	1428 3.7219468	1478 3.7261018
1330 3.7164483	1369 3.7218558	1429 3.7219278	1479 3.7260828
1331 3.7164517	1370 3.7218368	1430 3.7219088	1480 3.7260638
1332 3.7164552	1371 3.7218178	1431 3.7218898	1481 3.7260448
1333 3.7164586	1372 3.7217988	1432 3.7218708	1482 3.7260258
1334 3.7164621	1373 3.7217798	1433 3.7218518	1483 3.7260068
1335 3.7164655	1374 3.7217608	1434 3.7218328	1484 3.7259878
1336 3.7164690	1375 3.7217418	1435 3.7218138	1485 3.7259688
1337 3.7164724	1376 3.7217228	1436 3.7217948	1486 3.7259498
1338 3.7164759	1377 3.7217038	1437 3.7217758	1487 3.7259308
1339 3.7164793	1378 3.7216848	1438 3.7217568	1488 3.7259118
1340 3.7164828	1379 3.7216658	1439 3.7217378	1489 3.7258928
1341 3.7164862	1380 3.7216468	1440 3.7217188	1490 3.7258738
1342 3.7164897	1381 3.7216278	1441 3.7216998	1491 3.7258548
1343 3.7164931	1382 3.7216088	1442 3.7216808	1492 3.7258358
1344 3.7164966	1383 3.7215898	1443 3.7216618	1493 3.7258168
1345 3.7165000	1384 3.7215708	1444 3.7216428	1494 3.7257978
1346 3.7165035	1385 3.7215518	1445 3.7216238	1495 3.7257788
1347 3.7165069	1386 3.7215328	1446 3.7216048	1496 3.7257598
1348 3.7165104	1387 3.7215138	1447 3.7215858	1497 3.7257408
1349 3.7165138	1388 3.7214948	1448 3.7215668	1498 3.7257218
1350 3.7165173	1389 3.7214758	1449 3.7215478	1499 3.7257028
1351 3.7165207	1390 3.7214568	1450 3.7215288	1500 3.7256838
1			



Non Logarith.	Non Logarith.	Non Logarith.	Non Logarith.
5400 3.7323938	5450 3.7363305	5500 3.7403027	5550 3.7442930
5401 3.7324743	5451 3.7364702	5501 3.7404416	5551 3.7443713
5402 3.7325546	5452 3.7365558	5502 3.7405276	5552 3.7444595
5403 3.7326350	5453 3.7366355	5503 3.7406095	5553 3.7445277
5404 3.7327153	5454 3.7367151	5504 3.7406884	5554 3.7446059
5405 3.7327957	5455 3.7367948	5505 3.7407673	5555 3.7446841
5406 3.7328760	5456 3.7368744	5506 3.7408462	5556 3.7447622
5407 3.7329564	5457 3.7369540	5507 3.7409251	5557 3.7448404
5408 3.7330367	5458 3.7370335	5508 3.7409990	5558 3.7449185
5409 3.7331170	5459 3.7371131	5509 3.7410728	5559 3.7449967
5410 3.7331973	5460 3.7371926	5510 3.7411516	5560 3.7450748
5411 3.7332775	5461 3.7372722	5511 3.7412304	5561 3.7451529
5412 3.7333578	5462 3.7373517	5512 3.7413092	5562 3.7452310
5413 3.7334380	5463 3.7374312	5513 3.7413880	5563 3.7453091
5414 3.7335182	5464 3.7375107	5514 3.7414668	5564 3.7453872
5415 3.7335985	5465 3.7375902	5515 3.7415455	5565 3.7454653
5416 3.7336787	5466 3.7376696	5516 3.7416243	5566 3.7455432
5417 3.7337588	5467 3.7377491	5517 3.7417030	5567 3.7456213
5418 3.7338390	5468 3.7378285	5518 3.7417817	5568 3.7456994
5419 3.7339191	5469 3.7379079	5519 3.7418604	5569 3.7457772
5420 3.7339992	5470 3.7379873	5520 3.7419391	5570 3.7458553
5421 3.7340794	5471 3.7380667	5521 3.7420177	5571 3.7459332
5422 3.7341595	5472 3.7381461	5522 3.7420964	5572 3.7460111
5423 3.7342396	5473 3.7382254	5523 3.7421750	5573 3.7460890
5424 3.7343197	5474 3.7383048	5524 3.7422537	5574 3.7461670
5425 3.7343997	5475 3.7383841	5525 3.7423323	5575 3.7462449
5426 3.7344798	5476 3.7384634	5526 3.7424109	5576 3.7463228
5427 3.7345598	5477 3.7385427	5527 3.7424895	5577 3.7464006
5428 3.7346398	5478 3.7386220	5528 3.7425680	5578 3.7464785
5429 3.7347198	5479 3.7387013	5529 3.7426466	5579 3.7465564
5430 3.7347998	5480 3.7387806	5530 3.7427251	5580 3.7466342
5431 3.7348798	5481 3.7388598	5531 3.7428037	5581 3.7467120
5432 3.7349598	5482 3.7389390	5532 3.7428822	5582 3.7467898
5433 3.7350397	5483 3.7390182	5533 3.7429607	5583 3.7468676
5434 3.7351196	5484 3.7390974	5534 3.7430392	5584 3.7469454
5435 3.7351995	5485 3.7391766	5535 3.7431176	5585 3.7470232
5436 3.7352794	5486 3.7392558	5536 3.7431961	5586 3.7471009
5437 3.7353593	5487 3.7393350	5537 3.7432745	5587 3.7471787
5438 3.7354392	5488 3.7394141	5538 3.7433530	5588 3.7472564
5439 3.7355191	5489 3.7394932	5539 3.7434314	5589 3.7473341
5440 3.7355989	5490 3.7395723	5540 3.7435098	5590 3.7474118
5441 3.7356787	5491 3.7396514	5541 3.7435881	5591 3.7474895
5442 3.7357585	5492 3.7397305	5542 3.7436665	5592 3.7475672
5443 3.7358383	5493 3.7398096	5543 3.7437449	5593 3.7476448
5444 3.7359181	5494 3.7398886	5544 3.7438232	5594 3.7477225
5445 3.7359979	5495 3.7399677	5545 3.7439015	5595 3.7478001
5446 3.7360776	5496 3.7400467	5546 3.7439799	5596 3.7478777
5447 3.7361574	5497 3.7401257	5547 3.7440582	5597 3.7479553
5448 3.7362371	5498 3.7402047	5548 3.7441365	5598 3.7480329
5449 3.7363168	5499 3.7402837	5549 3.7442147	5599 3.7481105
5450 3.7363965	5500 3.7403627	5550 3.7442930	5600 3.7481880



Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
5600	3.7481880	5690	3.7530484
5601	3.7482656	5691	3.7531233
5602	3.7483431	5692	3.7532032
5603	3.7484206	5693	3.7532790
5604	3.7484981	5694	3.7533558
5605	3.7485756	5695	3.7534326
5606	3.7486531	5696	3.7535094
5607	3.7487306	5697	3.7535862
5608	3.7488080	5698	3.7536630
5609	3.7488854	5699	3.7537397
5610	3.7489629	5700	3.7538164
5611	3.7490403	5701	3.7538932
5612	3.7491177	5702	3.7539699
5613	3.7491951	5703	3.7540466
5614	3.7492724	5704	3.7541232
5615	3.7493498	5705	3.7541999
5616	3.7494271	5706	3.7542766
5617	3.7495044	5707	3.7543532
5618	3.7495817	5708	3.7544298
5619	3.7496590	5709	3.7545065
5620	3.7497363	5710	3.7545831
5621	3.7498136	5711	3.7546596
5622	3.7498908	5712	3.7547362
5623	3.7499681	5713	3.7548128
5624	3.7500453	5714	3.7548893
5625	3.7501225	5715	3.7549659
5626	3.7501997	5716	3.7550423
5627	3.7502769	5717	3.7551189
5628	3.7503541	5718	3.7551954
5629	3.7504312	5719	3.7552719
5630	3.7505084	5720	3.7553483
5631	3.7505855	5721	3.7554248
5632	3.7506626	5722	3.7555012
5633	3.7507397	5723	3.7555777
5634	3.7508168	5724	3.7556541
5635	3.7508939	5725	3.7557305
5636	3.7509710	5726	3.7558069
5637	3.7510480	5727	3.7558832
5638	3.7511251	5728	3.7559596
5639	3.7512021	5729	3.7560359
5640	3.7512791	5730	3.7561123
5641	3.7513561	5731	3.7561886
5642	3.7514331	5732	3.7562649
5643	3.7515100	5733	3.7563412
5644	3.7515870	5734	3.7564175
5645	3.7516639	5735	3.7564938
5646	3.7517409	5736	3.7565699
5647	3.7518178	5737	3.7566462
5648	3.7518947	5738	3.7567225
5649	3.7519716	5739	3.7567988
5650	3.7520484	5740	3.7568750
5651	3.7521253	5741	3.7569512
5652	3.7522021	5742	3.7570274
5653	3.7522789	5743	3.7571036
5654	3.7523557	5744	3.7571798
5655	3.7524324	5745	3.7572559
5656	3.7525092	5746	3.7573321
5657	3.7525859	5747	3.7574082
5658	3.7526626	5748	3.7574843
5659	3.7527393	5749	3.7575604
5660	3.7528160	5750	3.7576365
5661	3.7528926	5751	3.7577126
5662	3.7529693	5752	3.7577887
5663	3.7530459	5753	3.7578648
5664	3.7531226	5754	3.7579408
5665	3.7531992	5755	3.7580169
5666	3.7532758	5756	3.7580929
5667	3.7533524	5757	3.7581689
5668	3.7534290	5758	3.7582449
5669	3.7535056	5759	3.7583209
5670	3.7535822	5760	3.7583969
5671	3.7536587	5761	3.7584729
5672	3.7537353	5762	3.7585489
5673	3.7538118	5763	3.7586249
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5675	3.7539648	5765	3.7587769
5676	3.7540413	5766	3.7588529
5677	3.7541178	5767	3.7589289
5678	3.7541943	5768	3.7590049
5679	3.7542708	5769	3.7590809
5680	3.7543473	5770	3.7591569
5681	3.7544238	5771	3.7592329
5682	3.7544999	5772	3.7593089
5683	3.7545760	5773	3.7593849
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5685	3.7547282	5775	3.7595369
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5688	3.7549564	5778	3.7597649
5689	3.7550325	5779	3.7598409
5690	3.7551085	5780	3.7599169
5691	3.7551846	5781	3.7600000
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5693	3.7553366	5783	3.7601600
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5695	3.7554886	5785	3.7603200
5696	3.7555646	5786	3.7604000
5697	3.7556406	5787	3.7604800
5698	3.7557166	5788	3.7605600
5699	3.7557926	5789	3.7606400
5700	3.7558686	5790	3.7607200
5701	3.7559446	5791	3.7608000
5702	3.7560206	5792	3.7608800
5703	3.7560966	5793	3.7609600
5704	3.7561726	5794	3.7610400
5705	3.7562486	5795	3.7611200
5706	3.7563246	5796	3.7612000
5707	3.7564006	5797	3.7612800
5708	3.7564766	5798	3.7613600
5709	3.7565526	5799	3.7614400
5710	3.7566286	5800	3.7615200
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5712	3.7567806		
5713	3.7568566		
5714	3.7569326		
5715	3.7570086		
5716	3.7570846		
5717	3.7571606		
5718	3.7572366		
5719	3.7573126		
5720	3.7573886		
5721	3.7574646		
5722	3.7575406		
5723	3.7576166		
5724	3.7576926		
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5728	3.7579966		
5729	3.7580726		
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5741	3.7589846		
5742	3.7590606		
5743	3.7591366		
5744	3.7592126		
5745	3.7592886		
5746	3.7593646		
5747	3.7594406		
5748	3.7595166		
5749	3.7595926		
5750	3.7596686		

Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.
1800	3.754180	1850	3.767159	1900	3.779730	1950	3.791710
1801	3.754199	1851	3.767180	1901	3.779748	1951	3.791729
1802	3.754217	1852	3.767201	1902	3.779766	1952	3.791748
1803	3.754236	1853	3.767221	1903	3.779784	1953	3.791767
1804	3.754254	1854	3.767242	1904	3.779802	1954	3.791786
1805	3.754273	1855	3.767260	1905	3.779820	1955	3.791805
1806	3.754290	1856	3.767281	1906	3.779838	1956	3.791824
1807	3.754309	1857	3.767302	1907	3.779856	1957	3.791843
1808	3.754326	1858	3.767323	1908	3.779874	1958	3.791862
1809	3.754345	1859	3.767343	1909	3.779892	1959	3.791881
1810	3.754363	1860	3.767364	1910	3.779910	1960	3.791900
1811	3.754382	1861	3.767385	1911	3.779928	1961	3.791919
1812	3.754400	1862	3.767406	1912	3.779946	1962	3.791938
1813	3.754419	1863	3.767427	1913	3.779964	1963	3.791957
1814	3.754437	1864	3.767448	1914	3.779982	1964	3.791976
1815	3.754456	1865	3.767469	1915	3.779999	1965	3.791995
1816	3.754474	1866	3.767490	1916	3.780017	1966	3.792014
1817	3.754493	1867	3.767511	1917	3.780035	1967	3.792033
1818	3.754511	1868	3.767532	1918	3.780053	1968	3.792052
1819	3.754530	1869	3.767553	1919	3.780071	1969	3.792071
1820	3.754548	1870	3.767574	1920	3.780089	1970	3.792090
1821	3.754567	1871	3.767595	1921	3.780107	1971	3.792109
1822	3.754585	1872	3.767616	1922	3.780125	1972	3.792128
1823	3.754604	1873	3.767637	1923	3.780143	1973	3.792147
1824	3.754622	1874	3.767658	1924	3.780161	1974	3.792166
1825	3.754641	1875	3.767679	1925	3.780179	1975	3.792185
1826	3.754659	1876	3.767700	1926	3.780197	1976	3.792204
1827	3.754678	1877	3.767721	1927	3.780215	1977	3.792223
1828	3.754696	1878	3.767742	1928	3.780233	1978	3.792242
1829	3.754715	1879	3.767763	1929	3.780251	1979	3.792261
1830	3.754733	1880	3.767784	1930	3.780269	1980	3.792280
1831	3.754752	1881	3.767805	1931	3.780287	1981	3.792299
1832	3.754770	1882	3.767826	1932	3.780305	1982	3.792318
1833	3.754789	1883	3.767847	1933	3.780323	1983	3.792337
1834	3.754807	1884	3.767868	1934	3.780341	1984	3.792356
1835	3.754826	1885	3.767889	1935	3.780359	1985	3.792375
1836	3.754844	1886	3.767910	1936	3.780377	1986	3.792394
1837	3.754863	1887	3.767931	1937	3.780395	1987	3.792413
1838	3.754881	1888	3.767952	1938	3.780413	1988	3.792432
1839	3.754900	1889	3.767973	1939	3.780431	1989	3.792451
1840	3.754918	1890	3.767994	1940	3.780449	1990	3.792470
1841	3.754937	1891	3.768015	1941	3.780467	1991	3.792489
1842	3.754955	1892	3.768036	1942	3.780485	1992	3.792508
1843	3.754974	1893	3.768057	1943	3.780503	1993	3.792527
1844	3.754992	1894	3.768078	1944	3.780521	1994	3.792546
1845	3.755011	1895	3.768099	1945	3.780539	1995	3.792565
1846	3.755029	1896	3.768120	1946	3.780557	1996	3.792584
1847	3.755048	1897	3.768141	1947	3.780575	1997	3.792603
1848	3.755066	1898	3.768162	1948	3.780593	1998	3.792622
1849	3.755085	1899	3.768183	1949	3.780611	1999	3.792641
1850	3.755103	1900	3.768204	1950	3.780629	2000	3.792660

Num.	Logarithm	Num.	Logarithm	Num.	Logarithm	Num.	Logarithm
6000	7.781318	6010	7.781714	6100	7.782402	6110	7.782791
6001	7.781326	6011	7.781723	6101	7.782410	6111	7.782800
6002	7.781334	6012	7.781731	6102	7.782418	6112	7.782808
6003	7.781342	6013	7.781739	6103	7.782426	6113	7.782816
6004	7.781350	6014	7.781747	6104	7.782434	6114	7.782824
6005	7.781358	6015	7.781755	6105	7.782442	6115	7.782832
6006	7.781366	6016	7.781763	6106	7.782450	6116	7.782840
6007	7.781374	6017	7.781771	6107	7.782458	6117	7.782848
6008	7.781382	6018	7.781779	6108	7.782466	6118	7.782856
6009	7.781390	6019	7.781787	6109	7.782474	6119	7.782864
6010	7.781398	6020	7.781795	6110	7.782482	6120	7.782872
6011	7.781406	6021	7.781803	6111	7.782490	6121	7.782880
6012	7.781414	6022	7.781811	6112	7.782498	6122	7.782888
6013	7.781422	6023	7.781819	6113	7.782506	6123	7.782896
6014	7.781430	6024	7.781827	6114	7.782514	6124	7.782904
6015	7.781438	6025	7.781835	6115	7.782522	6125	7.782912
6016	7.781446	6026	7.781843	6116	7.782530	6126	7.782920
6017	7.781454	6027	7.781851	6117	7.782538	6127	7.782928
6018	7.781462	6028	7.781859	6118	7.782546	6128	7.782936
6019	7.781470	6029	7.781867	6119	7.782554	6129	7.782944
6020	7.781478	6030	7.781875	6120	7.782562	6130	7.782952
6021	7.781486	6031	7.781883	6121	7.782570	6131	7.782960
6022	7.781494	6032	7.781891	6122	7.782578	6132	7.782968
6023	7.781502	6033	7.781899	6123	7.782586	6133	7.782976
6024	7.781510	6034	7.781907	6124	7.782594	6134	7.782984
6025	7.781518	6035	7.781915	6125	7.782602	6135	7.782992
6026	7.781526	6036	7.781923	6126	7.782610	6136	7.783000
6027	7.781534	6037	7.781931	6127	7.782618	6137	7.783008
6028	7.781542	6038	7.781939	6128	7.782626	6138	7.783016
6029	7.781550	6039	7.781947	6129	7.782634	6139	7.783024
6030	7.781558	6040	7.781955	6130	7.782642	6140	7.783032
6031	7.781566	6041	7.781963	6131	7.782650	6141	7.783040
6032	7.781574	6042	7.781971	6132	7.782658	6142	7.783048
6033	7.781582	6043	7.781979	6133	7.782666	6143	7.783056
6034	7.781590	6044	7.781987	6134	7.782674	6144	7.783064
6035	7.781598	6045	7.781995	6135	7.782682	6145	7.783072
6036	7.781606	6046	7.782003	6136	7.782690	6146	7.783080
6037	7.781614	6047	7.782011	6137	7.782698	6147	7.783088
6038	7.781622	6048	7.782019	6138	7.782706	6148	7.783096
6039	7.781630	6049	7.782027	6139	7.782714	6149	7.783104
6040	7.781638	6050	7.782035	6140	7.782722	6150	7.783112
6041	7.781646	6051	7.782043	6141	7.782730	6151	7.783120
6042	7.781654	6052	7.782051	6142	7.782738	6152	7.783128
6043	7.781662	6053	7.782059	6143	7.782746	6153	7.783136
6044	7.781670	6054	7.782067	6144	7.782754	6154	7.783144
6045	7.781678	6055	7.782075	6145	7.782762	6155	7.783152
6046	7.781686	6056	7.782083	6146	7.782770	6156	7.783160
6047	7.781694	6057	7.782091	6147	7.782778	6157	7.783168
6048	7.781702	6058	7.782099	6148	7.782786	6158	7.783176
6049	7.781710	6059	7.782107	6149	7.782794	6159	7.783184
6050	7.781718	6060	7.782115	6150	7.782802	6160	7.783192

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6101 1.7931217	6151 1.7931401	6201 1.7931585	6251 1.7931769
6102 1.7931407	6152 1.7931500	6202 1.7931784	6252 1.7931847
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6115 1.7933111	6165 1.7933211	6215 1.7933174	6265 1.7933284
6116 1.7933112	6166 1.7933224	6216 1.7933241	6266 1.7933366
6117 1.7933202	6167 1.7933297	6217 1.7933290	6267 1.7933393
6118 1.7933307	6168 1.7933320	6218 1.7933306	6268 1.7933403
6119 1.7933326	6169 1.7933383	6219 1.7933434	6269 1.7933471
6120 1.7933321	6170 1.7933475	6220 1.7933471	6270 1.7933594
6121 1.7933404	6171 1.7933508	6221 1.7933508	6271 1.7933547
6122 1.7933500	6172 1.7933500	6222 1.7933545	6272 1.7933581
6123 1.7933593	6173 1.7933573	6223 1.7933621	6273 1.7933619
6124 1.7933595	6174 1.7933645	6224 1.7933691	6274 1.7933641
6125 1.7933684	6175 1.7933717	6225 1.7933690	6275 1.7933680
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6128 1.7933835	6178 1.7933835	6228 1.7933835	6278 1.7933835
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6130 1.7933880	6180 1.7933900	6230 1.7933900	6280 1.7933900
6131 1.7933970	6181 1.7933968	6231 1.7933968	6281 1.7933968
6132 1.7933974	6182 1.7933979	6232 1.7933979	6282 1.7933979
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6140 1.7934186	6190 1.7934186	6240 1.7934186	6290 1.7934186
6141 1.7934144	6191 1.7934144	6241 1.7934144	6291 1.7934144
6142 1.7934128	6192 1.7934128	6242 1.7934128	6292 1.7934128
6143 1.7934193	6193 1.7934193	6243 1.7934193	6293 1.7934193
6144 1.7934209	6194 1.7934209	6244 1.7934209	6294 1.7934209
6145 1.7934224	6195 1.7934224	6245 1.7934224	6295 1.7934224
6146 1.7934220	6196 1.7934220	6246 1.7934220	6296 1.7934220
6147 1.7934215	6197 1.7934215	6247 1.7934215	6297 1.7934215
6148 1.7934210	6198 1.7934210	6248 1.7934210	6298 1.7934210
6149 1.7934210	6199 1.7934210	6249 1.7934210	6299 1.7934210
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6422 3.8081957	6492 3.8095744	6562 3.8109542	6632 3.8123339
6423 3.8082035	6493 3.8095817	6563 3.8109616	6633 3.8123413
6424 3.8082113	6494 3.8095890	6564 3.8109690	6634 3.8123487
6425 3.8082191	6495 3.8095963	6565 3.8109764	6635 3.8123561
6426 3.8082269	6496 3.8096037	6566 3.8109838	6636 3.8123635
6427 3.8082347	6497 3.8096110	6567 3.8109912	6637 3.8123709
6428 3.8082425	6498 3.8096184	6568 3.8109986	6638 3.8123783
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6431 3.8082658	6501 3.8103008	6571 3.8136477	6641 3.8124005
6432 3.8082735	6502 3.8103082	6572 3.8137144	6642 3.8124079
6433 3.8082813	6503 3.8103156	6573 3.8137811	6643 3.8124153
6434 3.8082891	6504 3.8103230	6574 3.8138478	6644 3.8124227
6435 3.8082969	6505 3.8103303	6575 3.8139144	6645 3.8124301
6436 3.8083047	6506 3.8103377	6576 3.8139811	6646 3.8124375
6437 3.8083125	6507 3.8103451	6577 3.8140477	6647 3.8124449
6438 3.8083203	6508 3.8103525	6578 3.8141144	6648 3.8124523
6439 3.8083281	6509 3.8103599	6579 3.8141810	6649 3.8124597
6440 3.8083359	6510 3.8103673	6580 3.8142476	6650 3.8124671
6441 3.8083437	6511 3.8103747	6581 3.8143142	6651 3.8124745
6442 3.8083515	6512 3.8103821	6582 3.8143808	6652 3.8124819
6443 3.8083593	6513 3.8103895	6583 3.8144474	6653 3.8124893
6444 3.8083671	6514 3.8103969	6584 3.8145140	6654 3.8124967
6445 3.8083749	6515 3.8104043	6585 3.8145805	6655 3.8125041
6446 3.8083827	6516 3.8104117	6586 3.8146471	6656 3.8125115
6447 3.8083905	6517 3.8104191	6587 3.8147136	6657 3.8125189
6448 3.8083983	6518 3.8104265	6588 3.8147802	6658 3.8125263
6449 3.8084061	6519 3.8104339	6589 3.8148467	6659 3.8125337
6450 3.8084139	6520 3.8104413	6590 3.8149132	6660 3.8125411
6451 3.8084217	6521 3.8104487	6591 3.8149797	6661 3.8125485
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6454 3.8084451	6524 3.8104709	6594 3.8151793	6664 3.8125707
6455 3.8084529	6525 3.8104783	6595 3.8152458	6665 3.8125781
6456 3.8084607	6526 3.8104857	6596 3.8153123	6666 3.8125855
6457 3.8084685	6527 3.8104931	6597 3.8153788	6667 3.8125929
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6473 3.8085933	6543 3.8106115	6613 3.8164428	6683 3.8127113
6474 3.8086011	6544 3.8106189	6614 3.8165093	6684 3.8127187
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6482 3.8086635	6552 3.8106781	6622 3.8170413	6692 3.8127779
6483 3.8086713	6553 3.8106855	6623 3.8171078	6693 3.8127853
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6487 3.8087025	6557 3.8107151	6627 3.8173738	6697 3.8128149
6488 3.8087103	6558 3.8107225	6628 3.8174403	6698 3.8128223
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6494 3.8087571	6564 3.8107669	6634 3.8178393	6704 3.8128667
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6498 3.8087883	6568 3.8107965	6638 3.8181053	6708 3.8128963
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6504 3.8088351	6574 3.8108409	6644 3.8185043	6714 3.8129407
6505 3.8088429	6575 3.8108483	6645 3.8185708	6715 3.8129481
6506 3.8088507	6576 3.8108557	6646 3.8186373	6716 3.8129555
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6544 3.8091471	6614 3.8111370	6684 3.8211643	6754 3.8132368
6545 3.8091549	6615 3.8111444	6685 3.8212308	6755 3.8132442
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6548 3.8091783	6618 3.8111666	6688 3.8214303	6758 3.8132664
6549 3.8091861	6619 3.8111740	6689 3.8214968	6759 3.8132738
6550 3.8091939	6620 3.8111814	6690 3.8215633	6760 3.8132812
6551 3.8092017	6621 3.8111888	6691 3.8216298	6761 3.8132886
6552 3.8092095	6622 3.8111962	6692 3.8216963	6762 3.8132960
6553 3.8092173	6623 3.8112036	6693 3.8217628	6763 3.8133034
6554 3.8092251	6624 3.8112110	6694 3.8218293	6764 3.8133108
6555 3.8092329	6625 3.8112184	6695 3.8218958	6765 3.8133182
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6557 3.8092485	6627 3.8112332	6697 3.8220288	6767 3.8133330
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6559 3.8092641	6629 3.8112480	6699 3.8221618	6769 3.8133478
6560 3.8092719	6630 3.8112554	6700 3.8222283	6770 3.8133552
6561 3.8092797	6631 3.8112628	6701 3.8222948	6771 3.8133626
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6565 3.8093109	6635 3.8112924	6705 3.8225608	6775 3.8133922
6566 3.8093187	6636 3.8113000	6706 3.8226273	6776 3.8133996
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6568 3.8093343	6638 3.8113148	6708 3.8227603	6778 3.8134144
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6603 3.819623	6603 3.819623	6703 3.820942	6703 3.820942
6604 3.819681	6604 3.819681	6704 3.821000	6704 3.821000
6605 3.819739	6605 3.819739	6705 3.821058	6705 3.821058
6606 3.819797	6606 3.819797	6706 3.821116	6706 3.821116
6607 3.819855	6607 3.819855	6707 3.821174	6707 3.821174
6608 3.819913	6608 3.819913	6708 3.821232	6708 3.821232
6609 3.819971	6609 3.819971	6709 3.821290	6709 3.821290
6610 3.820029	6610 3.820029	6710 3.821348	6710 3.821348
6611 3.820087	6611 3.820087	6711 3.821406	6711 3.821406
6612 3.820145	6612 3.820145	6712 3.821464	6712 3.821464
6613 3.820203	6613 3.820203	6713 3.821522	6713 3.821522
6614 3.820261	6614 3.820261	6714 3.821580	6714 3.821580
6615 3.820319	6615 3.820319	6715 3.821638	6715 3.821638
6616 3.820377	6616 3.820377	6716 3.821696	6716 3.821696
6617 3.820435	6617 3.820435	6717 3.821754	6717 3.821754
6618 3.820493	6618 3.820493	6718 3.821812	6718 3.821812
6619 3.820551	6619 3.820551	6719 3.821870	6719 3.821870
6620 3.820609	6620 3.820609	6720 3.821928	6720 3.821928
6621 3.820667	6621 3.820667	6721 3.821986	6721 3.821986
6622 3.820725	6622 3.820725	6722 3.822044	6722 3.822044
6623 3.820783	6623 3.820783	6723 3.822102	6723 3.822102
6624 3.820841	6624 3.820841	6724 3.822160	6724 3.822160
6625 3.820899	6625 3.820899	6725 3.822218	6725 3.822218
6626 3.820957	6626 3.820957	6726 3.822276	6726 3.822276
6627 3.821015	6627 3.821015	6727 3.822334	6727 3.822334
6628 3.821073	6628 3.821073	6728 3.822392	6728 3.822392
6629 3.821131	6629 3.821131	6729 3.822450	6729 3.822450
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6631 3.821247	6631 3.821247	6731 3.822566	6731 3.822566
6632 3.821305	6632 3.821305	6732 3.822624	6732 3.822624
6633 3.821363	6633 3.821363	6733 3.822682	6733 3.822682
6634 3.821421	6634 3.821421	6734 3.822740	6734 3.822740
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6636 3.821537	6636 3.821537	6736 3.822856	6736 3.822856
6637 3.821595	6637 3.821595	6737 3.822914	6737 3.822914
6638 3.821653	6638 3.821653	6738 3.822972	6738 3.822972
6639 3.821711	6639 3.821711	6739 3.823030	6739 3.823030
6640 3.821769	6640 3.821769	6740 3.823088	6740 3.823088
6641 3.821827	6641 3.821827	6741 3.823146	6741 3.823146
6642 3.821885	6642 3.821885	6742 3.823204	6742 3.823204
6643 3.821943	6643 3.821943	6743 3.823262	6743 3.823262
6644 3.822001	6644 3.822001	6744 3.823320	6744 3.823320
6645 3.822059	6645 3.822059	6745 3.823378	6745 3.823378
6646 3.822117	6646 3.822117	6746 3.823436	6746 3.823436
6647 3.822175	6647 3.822175	6747 3.823494	6747 3.823494
6648 3.822233	6648 3.822233	6748 3.823552	6748 3.823552
6649 3.822291	6649 3.822291	6749 3.823610	6749 3.823610
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6803 3.8325005	6813 3.8326024	6903 3.8326490	6913 3.8326547
6804 3.8324643	6814 3.8326056	6904 3.8326470	6914 3.8326527
6805 3.8324281	6815 3.8326088	6905 3.8326450	6915 3.8326507
6806 3.8323919	6816 3.8326120	6906 3.8326430	6916 3.8326487
6807 3.8323558	6817 3.8326152	6907 3.8326410	6917 3.8326467
6808 3.8323196	6818 3.8326184	6908 3.8326390	6918 3.8326447
6809 3.8322835	6819 3.8326216	6909 3.8326370	6919 3.8326427
6810 3.8322473	6820 3.8326248	6910 3.8326350	6920 3.8326407
6811 3.8322111	6821 3.8326280	6911 3.8326330	6921 3.8326387
6812 3.8321749	6822 3.8326312	6912 3.8326310	6922 3.8326367
6813 3.8321387	6823 3.8326344	6913 3.8326290	6923 3.8326347
6814 3.8321025	6824 3.8326376	6914 3.8326270	6924 3.8326327
6815 3.8320663	6825 3.8326408	6915 3.8326250	6925 3.8326307
6816 3.8320301	6826 3.8326440	6916 3.8326230	6926 3.8326287
6817 3.8319939	6827 3.8326472	6917 3.8326210	6927 3.8326267
6818 3.8319577	6828 3.8326504	6918 3.8326190	6928 3.8326247
6819 3.8319215	6829 3.8326536	6919 3.8326170	6929 3.8326227
6820 3.8318853	6830 3.8326568	6920 3.8326150	6930 3.8326207
6821 3.8318491	6831 3.8326600	6921 3.8326130	6931 3.8326187
6822 3.8318129	6832 3.8326632	6922 3.8326110	6932 3.8326167
6823 3.8317767	6833 3.8326664	6923 3.8326090	6933 3.8326147
6824 3.8317405	6834 3.8326696	6924 3.8326070	6934 3.8326127
6825 3.8317043	6835 3.8326728	6925 3.8326050	6935 3.8326107
6826 3.8316681	6836 3.8326760	6926 3.8326030	6936 3.8326087
6827 3.8316319	6837 3.8326792	6927 3.8326010	6937 3.8326067
6828 3.8315957	6838 3.8326824	6928 3.8325990	6938 3.8326047
6829 3.8315595	6839 3.8326856	6929 3.8325970	6939 3.8326027
6830 3.8315233	6840 3.8326888	6930 3.8325950	6940 3.8326007
6831 3.8314871	6841 3.8326920	6931 3.8325930	6941 3.8325987
6832 3.8314509	6842 3.8326952	6932 3.8325910	6942 3.8325967
6833 3.8314147	6843 3.8326984	6933 3.8325890	6943 3.8325947
6834 3.8313785	6844 3.8327016	6934 3.8325870	6944 3.8325927
6835 3.8313423	6845 3.8327048	6935 3.8325850	6945 3.8325907
6836 3.8313061	6846 3.8327080	6936 3.8325830	6946 3.8325887
6837 3.8312699	6847 3.8327112	6937 3.8325810	6947 3.8325867
6838 3.8312337	6848 3.8327144	6938 3.8325790	6948 3.8325847
6839 3.8311975	6849 3.8327176	6939 3.8325770	6949 3.8325827
6840 3.8311613	6850 3.8327208	6940 3.8325750	6950 3.8325807
6841 3.8311251	6851 3.8327240	6941 3.8325730	6951 3.8325787
6842 3.8310889	6852 3.8327272	6942 3.8325710	6952 3.8325767
6843 3.8310527	6853 3.8327304	6943 3.8325690	6953 3.8325747
6844 3.8310165	6854 3.8327336	6944 3.8325670	6954 3.8325727
6845 3.8309803	6855 3.8327368	6945 3.8325650	6955 3.8325707
6846 3.8309441	6856 3.8327400	6946 3.8325630	6956 3.8325687
6847 3.8309079	6857 3.8327432	6947 3.8325610	6957 3.8325667
6848 3.8308717	6858 3.8327464	6948 3.8325590	6958 3.8325647
6849 3.8308355	6859 3.8327496	6949 3.8325570	6959 3.8325627
6850 3.8307993	6860 3.8327528	6950 3.8325550	6960 3.8325607
6851 3.8307631	6861 3.8327560	6951 3.8325530	6961 3.8325587
6852 3.8307269	6862 3.8327592	6952 3.8325510	6962 3.8325567
6853 3.8306907	6863 3.8327624	6953 3.8325490	6963 3.8325547
6854 3.8306545	6864 3.8327656	6954 3.8325470	6964 3.8325527
6855 3.8306183	6865 3.8327688	6955 3.8325450	6965 3.8325507
6856 3.8305821	6866 3.8327720	6956 3.8325430	6966 3.8325487
6857 3.8305459	6867 3.8327752	6957 3.8325410	6967 3.8325467
6858 3.8305097	6868 3.8327784	6958 3.8325390	6968 3.8325447
6859 3.8304735	6869 3.8327816	6959 3.8325370	6969 3.8325427
6860 3.8304373	6870 3.8327848	6960 3.8325350	6970 3.8325407
6861 3.8304011	6871 3.8327880	6961 3.8325330	6971 3.8325387
6862 3.8303649	6872 3.8327912	6962 3.8325310	6972 3.8325367
6863 3.8303287	6873 3.8327944	6963 3.8325290	6973 3.8325347
6864 3.8302925	6874 3.8327976	6964 3.8325270	6974 3.8325327
6865 3.8302563	6875 3.8328008	6965 3.8325250	6975 3.8325307
6866 3.8302201	6876 3.8328040	6966 3.8325230	6976 3.8325287
6867 3.8301839	6877 3.8328072	6967 3.8325210	6977 3.8325267
6868 3.8301477	6878 3.8328104	6968 3.8325190	6978 3.8325247
6869 3.8301115	6879 3.8328136	6969 3.8325170	6979 3.8325227
6870 3.8300753	6880 3.8328168	6970 3.8325150	6980 3.8325207
6871 3.8300391	6881 3.8328200	6971 3.8325130	6981 3.8325187
6872 3.8300029	6882 3.8328232	6972 3.8325110	6982 3.8325167
6873 3.8299667	6883 3.8328264	6973 3.8325090	6983 3.8325147
6874 3.8299305	6884 3.8328296	6974 3.8325070	6984 3.8325127
6875 3.8298943	6885 3.8328328	6975 3.8325050	6985 3.8325107
6876 3.8298581	6886 3.8328360	6976 3.8325030	6986 3.8325087
6877 3.8298219	6887 3.8328392	6977 3.8325010	6987 3.8325067
6878 3.8297857	6888 3.8328424	6978 3.8324990	6988 3.8325047
6879 3.8297495	6889 3.8328456	6979 3.8324970	6989 3.8325027
6880 3.8297133	6890 3.8328488	6980 3.8324950	6990 3.8325007
6881 3.8296771	6891 3.8328520	6981 3.8324930	6991 3.8324987
6882 3.8296409	6892 3.8328552	6982 3.8324910	6992 3.8324967
6883 3.8296047	6893 3.8328584	6983 3.8324890	6993 3.8324947
6884 3.8295685	6894 3.8328616	6984 3.8324870	6994 3.8324927
6885 3.8295323	6895 3.8328648	6985 3.8324850	6995 3.8324907
6886 3.8294961	6896 3.8328680	6986 3.8324830	6996 3.8324887
6887 3.8294599	6897 3.8328712	6987 3.8324810	6997 3.8324867
6888 3.8294237	6898 3.8328744	6988 3.8324790	6998 3.8324847
6889 3.8293875	6899 3.8328776	6989 3.8324770	6999 3.8324827
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Num Logarith.	Num Logarith.	Num Logarith.	Num Logarith.
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7002 3.8451601	7011 3.8452507	7101 3.8513195	7111 3.8513668
7003 3.8452221	7012 3.8453123	7102 3.8513307	7112 3.8514187
7004 3.8452841	7013 3.8453739	7103 3.8513418	7113 3.8514682
7005 3.8453461	7014 3.8454355	7104 3.8513530	7114 3.8515189
7006 3.8454081	7015 3.8454970	7105 3.8513641	7115 3.8515696
7007 3.8454701	7016 3.8455586	7106 3.8513752	7116 3.8516203
7008 3.8455321	7017 3.8456201	7107 3.8513863	7117 3.8516710
7009 3.8455941	7018 3.8456817	7108 3.8513974	7118 3.8517217
7010 3.8456561	7019 3.8457432	7109 3.8514085	7119 3.8517724
7011 3.8457180	7020 3.8458047	7110 3.8514196	7120 3.8518231
7012 3.8457800	7021 3.8458662	7111 3.8514307	7121 3.8518737
7013 3.8458419	7022 3.8459277	7112 3.8514417	7122 3.8519243
7014 3.8459038	7023 3.8459892	7113 3.8514528	7123 3.8519749
7015 3.8459658	7024 3.8460507	7114 3.8514639	7124 3.8520256
7016 3.8460277	7025 3.8461122	7115 3.8514749	7125 3.8520762
7017 3.8460896	7026 3.8461737	7116 3.8514860	7126 3.8521269
7018 3.8461515	7027 3.8462351	7117 3.8514970	7127 3.8521775
7019 3.8462134	7028 3.8462966	7118 3.8515081	7128 3.8522282
7020 3.8462753	7029 3.8463580	7119 3.8515191	7129 3.8522788
7021 3.8463372	7030 3.8464194	7120 3.8515302	7130 3.8523295
7022 3.8463991	7031 3.8464809	7121 3.8515412	7131 3.8523801
7023 3.8464610	7032 3.8465423	7122 3.8515523	7132 3.8524308
7024 3.8465229	7033 3.8466037	7123 3.8515633	7133 3.8524814
7025 3.8465848	7034 3.8466651	7124 3.8515744	7134 3.8525321
7026 3.8466467	7035 3.8467266	7125 3.8515854	7135 3.8525827
7027 3.8467086	7036 3.8467879	7126 3.8515965	7136 3.8526334
7028 3.8467705	7037 3.8468494	7127 3.8516075	7137 3.8526840
7029 3.8468324	7038 3.8469108	7128 3.8516186	7138 3.8527347
7030 3.8468943	7039 3.8469723	7129 3.8516296	7139 3.8527853
7031 3.8469562	7040 3.8470337	7130 3.8516407	7140 3.8528360
7032 3.8470181	7041 3.8470952	7131 3.8516517	7141 3.8528866
7033 3.8470800	7042 3.8471566	7132 3.8516628	7142 3.8529373
7034 3.8471419	7043 3.8472181	7133 3.8516738	7143 3.8529879
7035 3.8472038	7044 3.8472795	7134 3.8516849	7144 3.8530386
7036 3.8472657	7045 3.8473410	7135 3.8516959	7145 3.8530892
7037 3.8473276	7046 3.8474024	7136 3.8517070	7146 3.8531399
7038 3.8473895	7047 3.8474639	7137 3.8517180	7147 3.8531905
7039 3.8474514	7048 3.8475253	7138 3.8517291	7148 3.8532412
7040 3.8475133	7049 3.8475868	7139 3.8517401	7149 3.8532918
7041 3.8475752	7050 3.8476482	7140 3.8517512	7150 3.8533425
7042 3.8476371	7051 3.8477097	7141 3.8517622	7151 3.8533931
7043 3.8476990	7052 3.8477711	7142 3.8517733	7152 3.8534438
7044 3.8477609	7053 3.8478326	7143 3.8517843	7153 3.8534944
7045 3.8478228	7054 3.8478940	7144 3.8517954	7154 3.8535451
7046 3.8478847	7055 3.8479555	7145 3.8518064	7155 3.8535957
7047 3.8479466	7056 3.8480169	7146 3.8518175	7156 3.8536464
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7049 3.8480704	7058 3.8481398	7148 3.8518396	7158 3.8537477
7050 3.8481323	7059 3.8482013	7149 3.8518506	7159 3.8537983
7051 3.8481942	7060 3.8482627	7150 3.8518617	7160 3.8538490
7052 3.8482561	7061 3.8483242	7151 3.8518727	7161 3.8538996
7053 3.8483180	7062 3.8483856	7152 3.8518838	7162 3.8539503
7054 3.8483799	7063 3.8484471	7153 3.8518948	7163 3.8539999
7055 3.8484418	7064 3.8485085	7154 3.8519059	7164 3.8540506
7056 3.8485037	7065 3.8485700	7155 3.8519169	7165 3.8541012
7057 3.8485656	7066 3.8486314	7156 3.8519280	7166 3.8541519
7058 3.8486275	7067 3.8486929	7157 3.8519390	7167 3.8542025
7059 3.8486894	7068 3.8487543	7158 3.8519501	7168 3.8542532
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7061 3.8488132	7070 3.8488772	7160 3.8519722	7170 3.8543545
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7066 3.8491238	7075 3.8491844	7165 3.8520274	7175 3.8546077
7067 3.8491857	7076 3.8492459	7166 3.8520385	7176 3.8546584
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7070 3.8493714	7079 3.8494304	7169 3.8520716	7179 3.8548103
7071 3.8494333	7080 3.8494919	7170 3.8520827	7180 3.8548610
7072 3.8494952	7081 3.8495534	7171 3.8520937	7181 3.8549116
7073 3.8495571	7082 3.8496149	7172 3.8521048	7182 3.8549623
7074 3.8496190	7083 3.8496764	7173 3.8521158	7183 3.8550129
7075 3.8496809	7084 3.8497379	7174 3.8521269	7184 3.8550636
7076 3.8497428	7085 3.8497994	7175 3.8521379	7185 3.8551142
7077 3.8498047	7086 3.8498609	7176 3.8521490	7186 3.8551649
7078 3.8498666	7087 3.8499224	7177 3.8521600	7187 3.8552155
7079 3.8499285	7088 3.8499839	7178 3.8521711	7188 3.8552662
7080 3.8499904	7089 3.8500454	7179 3.8521821	7189 3.8553168
7081 3.8500523	7090 3.8501069	7180 3.8521932	7190 3.8553675
7082 3.8501142	7091 3.8501684	7181 3.8522042	7191 3.8554181
7083 3.8501761	7092 3.8502299	7182 3.8522153	7192 3.8554688
7084 3.8502380	7093 3.8502914	7183 3.8522263	7193 3.8555194
7085 3.8503000	7094 3.8503529	7184 3.8522374	7194 3.8555701
7086 3.8503619	7095 3.8504144	7185 3.8522484	7195 3.8556207
7087 3.8504238	7096 3.8504759	7186 3.8522595	7196 3.8556714
7088 3.8504857	7097 3.8505374	7187 3.8522705	7197 3.8557220
7089 3.8505476	7098 3.8505989	7188 3.8522816	7198 3.8557727
7090 3.8506095	7099 3.8506604	7189 3.8522926	7199 3.8558233
7091 3.8506714	7100 3.8507219	7190 3.8523037	7200 3.8558740
7092 3.8507333	7101 3.8507834	7191 3.8523147	7201 3.8559246
7093 3.8507952	7102 3.8508449	7192 3.8523258	7202 3.8559753
7094 3.8508571	7103 3.8509064	7193 3.8523368	7203 3.8560259
7095 3.8509190	7104 3.8509679	7194 3.8523479	7204 3.8560766
7096 3.8509809	7105 3.8510294	7195 3.8523589	7205 3.8561272
7097 3.8510428	7106 3.8510909	7196 3.8523699	7206 3.8561779
7098 3.8511047	7107 3.8511524	7197 3.8523810	7207 3.8562285
7099 3.8511666	7108 3.8512139	7198 3.8523920	7208 3.8562792
7100 3.8512285	7109 3.8512754	7199 3.8524031	7209 3.8563298
		7200 3.8524141	7210 3.8563805

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7100 3.8573325	7140 3.8603120	7300 3.8633220	7340 3.8663272
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7102 3.8574531	7142 3.8604780	7302 3.8634424	7342 3.8664655
7103 3.8575134	7143 3.8605581	7303 3.8635025	7343 3.8665346
7104 3.8575737	7144 3.8606382	7304 3.8635626	7344 3.8666037
7105 3.8576340	7145 3.8607183	7305 3.8636227	7345 3.8666728
7106 3.8576943	7146 3.8607984	7306 3.8636828	7346 3.8667419
7107 3.8577546	7147 3.8608785	7307 3.8637429	7347 3.8668110
7108 3.8578149	7148 3.8609586	7308 3.8638030	7348 3.8668801
7109 3.8578752	7149 3.8610387	7309 3.8638631	7349 3.8669492
7110 3.8579355	7150 3.8611188	7310 3.8639232	7350 3.8670183
7111 3.8579958	7151 3.8611989	7311 3.8639833	7351 3.8670874
7112 3.8580561	7152 3.8612790	7312 3.8640434	7352 3.8671565
7113 3.8581164	7153 3.8613591	7313 3.8641035	7353 3.8672256
7114 3.8581767	7154 3.8614392	7314 3.8641636	7354 3.8672947
7115 3.8582370	7155 3.8615193	7315 3.8642237	7355 3.8673638
7116 3.8582973	7156 3.8615994	7316 3.8642838	7356 3.8674329
7117 3.8583576	7157 3.8616795	7317 3.8643439	7357 3.8675020
7118 3.8584179	7158 3.8617596	7318 3.8644040	7358 3.8675711
7119 3.8584782	7159 3.8618397	7319 3.8644641	7359 3.8676402
7120 3.8585385	7160 3.8619198	7320 3.8645242	7360 3.8677093
7121 3.8585988	7161 3.8619999	7321 3.8645843	7361 3.8677784
7122 3.8586591	7162 3.8620800	7322 3.8646444	7362 3.8678475
7123 3.8587194	7163 3.8621601	7323 3.8647045	7363 3.8679166
7124 3.8587797	7164 3.8622402	7324 3.8647646	7364 3.8679857
7125 3.8588400	7165 3.8623203	7325 3.8648247	7365 3.8680548
7126 3.8589003	7166 3.8624004	7326 3.8648848	7366 3.8681239
7127 3.8589606	7167 3.8624805	7327 3.8649449	7367 3.8681930
7128 3.8590209	7168 3.8625606	7328 3.8650050	7368 3.8682621
7129 3.8590812	7169 3.8626407	7329 3.8650651	7369 3.8683312
7130 3.8591415	7170 3.8627208	7330 3.8651252	7370 3.8684003
7131 3.8592018	7171 3.8628009	7331 3.8651853	7371 3.8684694
7132 3.8592621	7172 3.8628810	7332 3.8652454	7372 3.8685385
7133 3.8593224	7173 3.8629611	7333 3.8653055	7373 3.8686076
7134 3.8593827	7174 3.8630412	7334 3.8653656	7374 3.8686767
7135 3.8594430	7175 3.8631213	7335 3.8654257	7375 3.8687458
7136 3.8595033	7176 3.8632014	7336 3.8654858	7376 3.8688149
7137 3.8595636	7177 3.8632815	7337 3.8655459	7377 3.8688840
7138 3.8596239	7178 3.8633616	7338 3.8656060	7378 3.8689531
7139 3.8596842	7179 3.8634417	7339 3.8656661	7379 3.8690222
7140 3.8597445	7180 3.8635218	7340 3.8657262	7380 3.8690913
7141 3.8598048	7181 3.8636019	7341 3.8657863	7381 3.8691604
7142 3.8598651	7182 3.8636820	7342 3.8658464	7382 3.8692295
7143 3.8599254	7183 3.8637621	7343 3.8659065	7383 3.8692986
7144 3.8599857	7184 3.8638422	7344 3.8659666	7384 3.8693677
7145 3.8600460	7185 3.8639223	7345 3.8660267	7385 3.8694368
7146 3.8601063	7186 3.8640024	7346 3.8660868	7386 3.8695059
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7148 3.8602269	7188 3.8641626	7348 3.8662070	7388 3.8696441
7149 3.8602872	7189 3.8642427	7349 3.8662671	7389 3.8697132
7150 3.8603475	7190 3.8643228	7350 3.8663272	7390 3.8697823
7151 3.8604078	7191 3.8644029	7351 3.8663873	7391 3.8698514
7152 3.8604681	7192 3.8644830	7352 3.8664474	7392 3.8699205
7153 3.8605284	7193 3.8645631	7353 3.8665075	7393 3.8699896
7154 3.8605887	7194 3.8646432	7354 3.8665676	7394 3.8700587
7155 3.8606490	7195 3.8647233	7355 3.8666277	7395 3.8701278
7156 3.8607093	7196 3.8648034	7356 3.8666878	7396 3.8701969
7157 3.8607696	7197 3.8648835	7357 3.8667479	7397 3.8702660
7158 3.8608299	7198 3.8649636	7358 3.8668080	7398 3.8703351
7159 3.8608902	7199 3.8650437	7359 3.8668681	7399 3.8704042
7160 3.8609505	7200 3.8651238	7360 3.8669282	7400 3.8704733

7420	3.8592117	7410	3.8721511	7400	3.8770811	7390	3.8770811
7401	3.8592124	7411	3.8721545	7401	3.8771128	7391	3.8780085
7402	3.8592131	7412	3.8721578	7402	3.8771771	7392	3.8780080
7403	3.8592137	7413	3.8721611	7403	3.8772349	7393	3.8781105
7404	3.8592144	7414	3.8721644	7404	3.8772928	7394	3.8781170
7405	3.8592151	7415	3.8721676	7405	3.8773507	7395	3.8782245
7406	3.8592157	7416	3.8721709	7406	3.8774086	7396	3.8782291
7407	3.8592164	7417	3.8721741	7407	3.8774664	7397	3.8783494
7408	3.8592170	7418	3.8721774	7408	3.8775243	7398	3.8783509
7409	3.8592176	7419	3.8721806	7409	3.8775821	7399	3.8784643
7410	3.8592182	7420	3.8721838	7410	3.8776399	7400	3.8785118
7411	3.8592188	7421	3.8721870	7411	3.8776978	7401	3.8785702
7412	3.8592194	7422	3.8721902	7412	3.8777556	7402	3.8786287
7413	3.8592200	7423	3.8721934	7413	3.8778134	7403	3.8786871
7414	3.8592206	7424	3.8721966	7414	3.8778712	7404	3.8787455
7415	3.8592212	7425	3.8721998	7415	3.8779290	7405	3.8788039
7416	3.8721607	7426	3.8722030	7416	3.8779868	7406	3.8788623
7417	3.8721639	7427	3.8722062	7417	3.8780446	7407	3.8789207
7418	3.8721671	7428	3.8722094	7418	3.8781024	7408	3.8789791
7419	3.8721703	7429	3.8722126	7419	3.8781602	7409	3.8790375
7420	3.8721735	7430	3.8722158	7420	3.8782180	7410	3.8790959
7421	3.8721767	7431	3.8722190	7421	3.8782758	7411	3.8791543
7422	3.8721799	7432	3.8722222	7422	3.8783336	7412	3.8792127
7423	3.8721831	7433	3.8722254	7423	3.8783914	7413	3.8792711
7424	3.8721863	7434	3.8722286	7424	3.8784492	7414	3.8793295
7425	3.8721895	7435	3.8722318	7425	3.8785070	7415	3.8793879
7426	3.8721927	7436	3.8722350	7426	3.8785648	7416	3.8794463
7427	3.8721959	7437	3.8722382	7427	3.8786226	7417	3.8795047
7428	3.8721991	7438	3.8722414	7428	3.8786804	7418	3.8795631
7429	3.8722023	7439	3.8722446	7429	3.8787382	7419	3.8796215
7430	3.8722055	7440	3.8722478	7430	3.8787960	7420	3.8796799
7431	3.8722087	7441	3.8722510	7431	3.8788538	7421	3.8797383
7432	3.8722119	7442	3.8722542	7432	3.8789116	7422	3.8797967
7433	3.8722151	7443	3.8722574	7433	3.8789694	7423	3.8798551
7434	3.8722183	7444	3.8722606	7434	3.8790272	7424	3.8799135
7435	3.8722215	7445	3.8722638	7435	3.8790850	7425	3.8799719
7436	3.8722247	7446	3.8722670	7436	3.8791428	7426	3.8800303
7437	3.8722279	7447	3.8722702	7437	3.8792006	7427	3.8800887
7438	3.8722311	7448	3.8722734	7438	3.8792584	7428	3.8801471
7439	3.8722343	7449	3.8722766	7439	3.8793162	7429	3.8802055
7440	3.8722375	7450	3.8722798	7440	3.8793740	7430	3.8802639
7441	3.8722407	7451	3.8722830	7441	3.8794318	7431	3.8803223
7442	3.8722439	7452	3.8722862	7442	3.8794896	7432	3.8803807
7443	3.8722471	7453	3.8722894	7443	3.8795474	7433	3.8804391
7444	3.8722503	7454	3.8722926	7444	3.8796052	7434	3.8804975
7445	3.8722535	7455	3.8722958	7445	3.8796630	7435	3.8805559
7446	3.8722567	7456	3.8722990	7446	3.8797208	7436	3.8806143
7447	3.8722599	7457	3.8723022	7447	3.8797786	7437	3.8806727
7448	3.8722631	7458	3.8723054	7448	3.8798364	7438	3.8807311
7449	3.8722663	7459	3.8723086	7449	3.8798942	7439	3.8807895
7450	3.8722695	7500	3.8723118	7500	3.8799520	7440	3.8808479

# Tabula Logarithmorum.

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Nam Logarith.

Nam Logarith.

Nam Logarith.

Nam Logarith.

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77003.8809207

77103.8809387

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76143.88100586

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76178.88104555

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76088.8817840

76193.88106255

77093.8810385

77193.8810638

76093.8818410

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77098.8810438

77198.8810691

76098.8818980

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76113.8820690

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76118.8821259

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77223.8810956

76123.8821829

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77228.8811009

76128.8822398

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77133.8810809

77233.8811062

76133.8822968

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77238.8811115

76138.8823537

76243.88111915

77143.8810915

77243.8811168

76143.8824107

76248.88112481

77148.8810968

77248.8811221

76148.8824676

76253.88113047

77153.8811021

77253.8811274

76153.8825245

76258.88113612

77158.8811074

77258.8811327

76158.8825815

76263.88114178

77163.8811127

77263.8811380

76163.8826384

76268.88114743

77168.8811180

77268.8811433

76168.8826953

76273.88115308

77173.8811233

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76173.8827522

76278.88115874

77178.8811286

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76283.88116439

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77283.8811592

76183.8828659

76288.88117004

77188.8811392

77288.8811645

76188.8829228

76293.88117569

77193.8811445

77293.8811698

76193.8829797

76298.88118134

77198.8811498

77298.8811751

76198.8830365

76303.88118700

77203.8811551

77303.8811804

76203.8830934

76308.88119265

77208.8811604

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76208.8831502

76313.88119828

77213.8811657

77313.8811910

76213.8832070

76318.88120393

77218.8811707

77318.8811963

76218.8832639

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77223.8811759

77323.8812016

76223.8833207

76328.88121521

77228.8811812

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77243.8811971

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76243.8835479

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77348.8812281

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7803 3.8920347	7850 3.8938697	7900 3.8957171	7950 3.9003691
7804 3.8921103	7851 3.8939450	7901 3.8957921	7951 3.9004448
7805 3.8921859	7852 3.8940203	7902 3.8958670	7952 3.9005204
7806 3.8922616	7853 3.8940956	7903 3.8959420	7953 3.9005961
7807 3.8923373	7854 3.8941709	7904 3.8960169	7954 3.9006718
7808 3.8924130	7855 3.8942462	7905 3.8960919	7955 3.9007475
7809 3.8924887	7856 3.8943215	7906 3.8961668	7956 3.9008232
7810 3.8925644	7857 3.8943968	7907 3.8962417	7957 3.9008989
7811 3.8926401	7858 3.8944721	7908 3.8963166	7958 3.9009746
7812 3.8927158	7859 3.8945474	7909 3.8963915	7959 3.9010503
7813 3.8927915	7860 3.8946227	7910 3.8964664	7960 3.9011260
7814 3.8928672	7861 3.8946980	7911 3.8965413	7961 3.9012017
7815 3.8929429	7862 3.8947733	7912 3.8966162	7962 3.9012774
7816 3.8930186	7863 3.8948486	7913 3.8966911	7963 3.9013531
7817 3.8930943	7864 3.8949239	7914 3.8967660	7964 3.9014288
7818 3.8931699	7865 3.8949992	7915 3.8968409	7965 3.9015045
7819 3.8932456	7866 3.8950745	7916 3.8969158	7966 3.9015802
7820 3.8933213	7867 3.8951498	7917 3.8969907	7967 3.9016559
7821 3.8933970	7868 3.8952251	7918 3.8970656	7968 3.9017316
7822 3.8934727	7869 3.8953004	7919 3.8971405	7969 3.9018073
7823 3.8935484	7870 3.8953757	7920 3.8972154	7970 3.9018830
7824 3.8936241	7871 3.8954510	7921 3.8972903	7971 3.9019587
7825 3.8937000	7872 3.8955263	7922 3.8973652	7972 3.9020344
7826 3.8937757	7873 3.8956016	7923 3.8974401	7973 3.9021101
7827 3.8938514	7874 3.8956769	7924 3.8975150	7974 3.9021858
7828 3.8939271	7875 3.8957522	7925 3.8975899	7975 3.9022615
7829 3.8940028	7876 3.8958275	7926 3.8976648	7976 3.9023372
7830 3.8940785	7877 3.8959028	7927 3.8977397	7977 3.9024129
7831 3.8941542	7878 3.8959781	7928 3.8978146	7978 3.9024886
7832 3.8942299	7879 3.8960534	7929 3.8978895	7979 3.9025643
7833 3.8943056	7880 3.8961287	7930 3.8979644	7980 3.9026400
7834 3.8943813	7881 3.8962040	7931 3.8980393	7981 3.9027157
7835 3.8944570	7882 3.8962793	7932 3.8981142	7982 3.9027914
7836 3.8945327	7883 3.8963546	7933 3.8981891	7983 3.9028671
7837 3.8946084	7884 3.8964299	7934 3.8982640	7984 3.9029428
7838 3.8946841	7885 3.8965052	7935 3.8983389	7985 3.9030185
7839 3.8947598	7886 3.8965805	7936 3.8984138	7986 3.9030942
7840 3.8948355	7887 3.8966558	7937 3.8984887	7987 3.9031699
7841 3.8949112	7888 3.8967311	7938 3.8985636	7988 3.9032456
7842 3.8949869	7889 3.8968064	7939 3.8986385	7989 3.9033213
7843 3.8950626	7890 3.8968817	7940 3.8987134	7990 3.9033970
7844 3.8951383	7891 3.8969570	7941 3.8987883	7991 3.9034727
7845 3.8952140	7892 3.8970323	7942 3.8988632	7992 3.9035484
7846 3.8952897	7893 3.8971076	7943 3.8989381	7993 3.9036241
7847 3.8953654	7894 3.8971829	7944 3.8990130	7994 3.9036998
7848 3.8954411	7895 3.8972582	7945 3.8990879	7995 3.9037755
7849 3.8955168	7896 3.8973335	7946 3.8991628	7996 3.9038512
7850 3.8955925	7897 3.8974088	7947 3.8992377	7997 3.9039269
7851 3.8956682	7898 3.8974841	7948 3.8993126	7998 3.9040026
7852 3.8957439	7899 3.8975594	7949 3.8993875	7999 3.9040783
7853 3.8958196	7900 3.8976347	7950 3.8994624	

# Tabula Logarithmorum.

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Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.	Num.	Logarithm.
8000	3.9030900	8050	3.9079959	8100	3.9034850	8150	3.9111776
8001	3.9031449	8051	3.9080498	8101	3.9035386	8151	3.9112309
8002	3.9031985	8052	3.9081038	8102	3.9035922	8152	3.9112843
8003	3.9032521	8053	3.9081577	8103	3.9036458	8153	3.9113374
8004	3.9033071	8054	3.9082116	8104	3.9036994	8154	3.9113907
8005	3.9033613	8055	3.9082655	8105	3.9037530	8155	3.9114440
8006	3.9034156	8056	3.9083195	8106	3.9038066	8156	3.9114972
8007	3.9034698	8057	3.9083734	8107	3.9038602	8157	3.9115505
8008	3.9035241	8058	3.9084273	8108	3.9039137	8158	3.9116037
8009	3.9035783	8059	3.9084812	8109	3.9039673	8159	3.9116569
8010	3.9036325	8060	3.9085350	8110	3.9040209	8160	3.9117102
8011	3.9036867	8061	3.9085889	8111	3.9040744	8161	3.9117634
8012	3.9037409	8062	3.9086428	8112	3.9041279	8162	3.9118166
8013	3.9037951	8063	3.9086967	8113	3.9041814	8163	3.9118698
8014	3.9038493	8064	3.9087505	8114	3.9042350	8164	3.9119230
8015	3.9039035	8065	3.9088044	8115	3.9042885	8165	3.9119762
8016	3.9039577	8066	3.9088582	8116	3.9043420	8166	3.9120294
8017	3.9040119	8067	3.9089121	8117	3.9043955	8167	3.9120826
8018	3.9040661	8068	3.9089659	8118	3.9044490	8168	3.9121358
8019	3.9041202	8069	3.9090197	8119	3.9045025	8169	3.9121890
8020	3.9041744	8070	3.9090735	8120	3.9045560	8170	3.9122422
8021	3.9042285	8071	3.9091273	8121	3.9046095	8171	3.9122954
8022	3.9042827	8072	3.9091812	8122	3.9046630	8172	3.9123486
8023	3.9043368	8073	3.9092350	8123	3.9047165	8173	3.9124018
8024	3.9043909	8074	3.9092887	8124	3.9047700	8174	3.9124550
8025	3.9044450	8075	3.9093425	8125	3.9048234	8175	3.9125082
8026	3.9044992	8076	3.9093963	8126	3.9048768	8176	3.9125614
8027	3.9045533	8077	3.9094501	8127	3.9049303	8177	3.9126146
8028	3.9046074	8078	3.9095038	8128	3.9049837	8178	3.9126678
8029	3.9046615	8079	3.9095576	8129	3.9050371	8179	3.9127210
8030	3.9047155	8080	3.9096114	8130	3.9050905	8180	3.9127742
8031	3.9047696	8081	3.9096651	8131	3.9051440	8181	3.9128274
8032	3.9048237	8082	3.9097188	8132	3.9051974	8182	3.9128806
8033	3.9048778	8083	3.9097726	8133	3.9052508	8183	3.9129338
8034	3.9049318	8084	3.9098263	8134	3.9053042	8184	3.9129870
8035	3.9049859	8085	3.9098800	8135	3.9053576	8185	3.9130402
8036	3.9050399	8086	3.9099337	8136	3.9054110	8186	3.9130934
8037	3.9050940	8087	3.9099874	8137	3.9054644	8187	3.9131466
8038	3.9051480	8088	3.9097411	8138	3.9055177	8188	3.9131998
8039	3.9052020	8089	3.9097948	8139	3.9055710	8189	3.9132530
8040	3.9052560	8090	3.9098485	8140	3.9056244	8190	3.9133062
8041	3.9053101	8091	3.9099022	8141	3.9056778	8191	3.9133594
8042	3.9053641	8092	3.9099559	8142	3.9057311	8192	3.9134126
8043	3.9054181	8093	3.9099595	8143	3.9057844	8193	3.9134658
8044	3.9054721	8094	3.9099632	8144	3.9058378	8194	3.9135190
8045	3.9055260	8095	3.9099669	8145	3.9058911	8195	3.9135722
8046	3.9055800	8096	3.9099705	8146	3.9059444	8196	3.9136254
8047	3.9056340	8097	3.9099741	8147	3.9059977	8197	3.9136786
8048	3.9056880	8098	3.9099778	8148	3.9060510	8198	3.9137318
8049	3.9057419	8099	3.9099814	8149	3.9061043	8199	3.9137850
8050	3.9057959	8100	3.9099850	8150	3.9061576	8200	3.9138382



Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
8200 3.913149	8210 3.916427	8220 3.918704	8230 3.920981
8201 3.913166	8211 3.916444	8221 3.918721	8231 3.921000
8202 3.913183	8212 3.916461	8222 3.918738	8232 3.921017
8203 3.913200	8213 3.916478	8223 3.918755	8233 3.921034
8204 3.913217	8214 3.916495	8224 3.918772	8234 3.921051
8205 3.913234	8215 3.916512	8225 3.918789	8235 3.921068
8206 3.913251	8216 3.916529	8226 3.918806	8236 3.921085
8207 3.913268	8217 3.916546	8227 3.918823	8237 3.921102
8208 3.913285	8218 3.916563	8228 3.918840	8238 3.921119
8209 3.913302	8219 3.916580	8229 3.918857	8239 3.921136
8210 3.913319	8220 3.916597	8230 3.918874	8240 3.921153
8211 3.913336	8221 3.916614	8231 3.918891	8241 3.921170
8212 3.913353	8222 3.916631	8232 3.918908	8242 3.921187
8213 3.913370	8223 3.916648	8233 3.918925	8243 3.921204
8214 3.913387	8224 3.916665	8234 3.918942	8244 3.921221
8215 3.913404	8225 3.916682	8235 3.918959	8245 3.921238
8216 3.913421	8226 3.916699	8236 3.918976	8246 3.921255
8217 3.913438	8227 3.916716	8237 3.918993	8247 3.921272
8218 3.913455	8228 3.916733	8238 3.919010	8248 3.921289
8219 3.913472	8229 3.916750	8239 3.919027	8249 3.921306
8220 3.913489	8230 3.916767	8240 3.919044	8250 3.921323
8221 3.913506	8231 3.916784	8241 3.919061	8251 3.921340
8222 3.913523	8232 3.916801	8242 3.919078	8252 3.921357
8223 3.913540	8233 3.916818	8243 3.919095	8253 3.921374
8224 3.913557	8234 3.916835	8244 3.919112	8254 3.921391
8225 3.913574	8235 3.916852	8245 3.919129	8255 3.921408
8226 3.913591	8236 3.916869	8246 3.919146	8256 3.921425
8227 3.913608	8237 3.916886	8247 3.919163	8257 3.921442
8228 3.913625	8238 3.916903	8248 3.919180	8258 3.921459
8229 3.913642	8239 3.916920	8249 3.919197	8259 3.921476
8230 3.913659	8240 3.916937	8250 3.919214	8260 3.921493
8231 3.913676	8241 3.916954	8251 3.919231	8261 3.921510
8232 3.913693	8242 3.916971	8252 3.919248	8262 3.921527
8233 3.913710	8243 3.916988	8253 3.919265	8263 3.921544
8234 3.913727	8244 3.917005	8254 3.919282	8264 3.921561
8235 3.913744	8245 3.917022	8255 3.919299	8265 3.921578
8236 3.913761	8246 3.917039	8256 3.919316	8266 3.921595
8237 3.913778	8247 3.917056	8257 3.919333	8267 3.921612
8238 3.913795	8248 3.917073	8258 3.919350	8268 3.921629
8239 3.913812	8249 3.917090	8259 3.919367	8269 3.921646
8240 3.913829	8250 3.917107	8260 3.919384	8270 3.921663
8241 3.913846	8251 3.917124	8261 3.919401	8271 3.921680
8242 3.913863	8252 3.917141	8262 3.919418	8272 3.921697
8243 3.913880	8253 3.917158	8263 3.919435	8273 3.921714
8244 3.913897	8254 3.917175	8264 3.919452	8274 3.921731
8245 3.913914	8255 3.917192	8265 3.919469	8275 3.921748
8246 3.913931	8256 3.917209	8266 3.919486	8276 3.921765
8247 3.913948	8257 3.917226	8267 3.919503	8277 3.921782
8248 3.913965	8258 3.917243	8268 3.919520	8278 3.921799
8249 3.913982	8259 3.917260	8269 3.919537	8279 3.921816
8250 3.913999	8260 3.917277	8270 3.919554	8280 3.921833
8251 3.914016	8261 3.917294	8271 3.919571	8281 3.921850
8252 3.914033	8262 3.917311	8272 3.919588	8282 3.921867
8253 3.914050	8263 3.917328	8273 3.919605	8283 3.921884
8254 3.914067	8264 3.917345	8274 3.919622	8284 3.921901
8255 3.914084	8265 3.917362	8275 3.919639	8285 3.921918
8256 3.914101	8266 3.917379	8276 3.919656	8286 3.921935
8257 3.914118	8267 3.917396	8277 3.919673	8287 3.921952
8258 3.914135	8268 3.917413	8278 3.919690	8288 3.921969
8259 3.914152	8269 3.917430	8279 3.919707	8289 3.921986
8260 3.914169	8270 3.917447	8280 3.919724	8290 3.922003
8261 3.914186	8271 3.917464	8281 3.919741	8291 3.922020
8262 3.914203	8272 3.917481	8282 3.919758	8292 3.922037
8263 3.914220	8273 3.917498	8283 3.919775	8293 3.922054
8264 3.914237	8274 3.917515	8284 3.919792	8294 3.922071
8265 3.914254	8275 3.917532	8285 3.919809	8295 3.922088
8266 3.914271	8276 3.917549	8286 3.919826	8296 3.922105
8267 3.914288	8277 3.917566	8287 3.919843	8297 3.922122
8268 3.914305	8278 3.917583	8288 3.919860	8298 3.922139
8269 3.914322	8279 3.917600	8289 3.919877	8299 3.922156
8270 3.914339	8280 3.917617	8290 3.919894	8300 3.922173
8271 3.914356	8281 3.917634	8291 3.919911	8301 3.922190
8272 3.914373	8282 3.917651	8292 3.919928	8302 3.922207
8273 3.914390	8283 3.917668	8293 3.919945	8303 3.922224
8274 3.914407	8284 3.917685	8294 3.919962	8304 3.922241
8275 3.914424	8285 3.917702	8295 3.919979	8305 3.922258
8276 3.914441	8286 3.917719	8296 3.919996	8306 3.922275
8277 3.914458	8287 3.917736	8297 3.920013	8307 3.922292
8278 3.914475	8288 3.917753	8298 3.920030	8308 3.922309
8279 3.914492	8289 3.917770	8299 3.920047	8309 3.922326
8280 3.914509	8290 3.917787	8300 3.920064	8310 3.922343
8281 3.914526	8291 3.917804	8301 3.920081	8311 3.922360
8282 3.914543	8292 3.917821	8302 3.920098	8312 3.922377
8283 3.914560	8293 3.917838	8303 3.920115	8313 3.922394
8284 3.914577	8294 3.917855	8304 3.920132	8314 3.922411
8285 3.914594	8295 3.917872	8305 3.920149	8315 3.922428
8286 3.914611	8296 3.917889	8306 3.920166	8316 3.922445
8287 3.914628	8297 3.917906	8307 3.920183	8317 3.922462
8288 3.914645	8298 3.917923	8308 3.920200	8318 3.922479
8289 3.914662	8299 3.917940	8309 3.920217	8319 3.922496
8290 3.914679	8300 3.917957	8310 3.920234	8320 3.922513
8291 3.914696	8301 3.917974	8311 3.920251	8321 3.922530
8292 3.914713	8302 3.917991	8312 3.920268	8322 3.922547
8293 3.914730	8303 3.918008	8313 3.920285	8323 3.922564
8294 3.914747	8304 3.918025	8314 3.920302	8324 3.922581
8295 3.914764	8305 3.918042	8315 3.920319	8325 3.922598
8296 3.914781	8306 3.918059	8316 3.920336	8326 3.922615
8297 3.914798	8307 3.918076	8317 3.920353	8327 3.922632
8298 3.914815	8308 3.918093	8318 3.920370	8328 3.922649
8299 3.914832	8309 3.918110	8319 3.920387	8329 3.922666
8300 3.914849	8310 3.918127	8320 3.920404	8330 3.922683
8301 3.914866	8311 3.918144	8321 3.920421	8331 3.922700
8302 3.914883	8312 3.918161	8322 3.920438	8332 3.922717
8303 3.914900	8313 3.918178	8323 3.920455	8333 3.922734
8304 3.914917	8314 3.918195	8324 3.920472	8334 3.922751
8305 3.914934	8315 3.918212	8325 3.920489	8335 3.922768
8306 3.914951	8316 3.918229	8326 3.920506	8336 3.922785
8307 3.914968	8317 3.918246	8327 3.920523	8337 3.922802
8308 3.914985	8318 3.918263	8328 3.920540	8338 3.922819
8309 3.914999	8319 3.918280	8329 3.920557	8339 3.922836
8310 3.915016	8320 3.918297	8330 3.920574	8340 3.922853
8311 3.915033	8321 3.918314	8331 3.920591	8341 3.922870
8312 3.915050	8322 3.918331	8332 3.920608	8342 3.922887
8313 3.915067	8323 3.918348	8333 3.920625	8343 3.922904
8314 3.915084	8324 3.918365	8334 3.920642	8344 3.922921
8315 3.915101	8325 3.918382	8335 3.920659	8345 3.922938
8316 3.915118	8326 3.918399	8336 3.920676	8346 3.922955
8317 3.915135	8327 3.918416	8337 3.920693	8347 3.922972
8318 3.915152	8328 3.918433	8338 3.920710	8348 3.922989
8319 3.915169	8329 3.918450	8339 3.920727	8349 3.923006
8320 3.915186	8330 3.918467	8340 3.920744	8350 3.923023
8321 3.915203	8331 3.918484	8341 3.920761	8351 3.923040
8322 3.915220	8332 3.918501	8342 3.920778	8352 3.923057
8323 3.915237	8333 3.918518	8343 3.920795	8353 3.923074
8324 3.915254	8334 3.918535	8344 3.920812	8354 3.923091
8325 3.915271	8335 3.918552	8345 3.920829	8355 3.923108
8326 3.915288	8336 3.918569	8346 3.920846	8356 3.923125
8327 3.915305	8337 3.918586	8347 3.920863	8357 3.923142
8328 3.915322	8338 3.918603	8348 3.920880	8358 3.923159
8329 3.915339	8339 3.918620	8349 3.920897	8359 3.923176
8330 3.915356	8340 3.918637	8350 3.920914	8360 3.923193
8331 3.915373	8341 3.918654	8351 3.920931	8361 3.923210
8332 3.915390	8342 3.918671	8352 3.920948	8362 3.923227
8333 3.915407	8343 3.918688	8353 3.920965	8363 3.923244
8334 3.915424	8344 3.918705	8354 3.920982	8364 3.923261
8335 3.915441	8345 3.918722	8355 3.921000	8365 3.923278
8336 3.915458	8346 3.918739	8356 3.921017	8366 3.923295
8337 3.915475	8347 3.918756	8357 3.921034	8367 3.923312
8338 3.915492	8348 3.918773	8358 3.921051	8368 3.923329
8339 3.915509	8349 3.918790	8359 3.921068	8369 3.923346
8340 3.915526	8350 3.918807	8360 3.921085	8370 3.923363
8341 3.915543	8351 3.918824	8361 3.921102	8371 3.923380
8342 3.915560	8352 3.918841	8362 3.921119	8372 3.923397
8343 3.915577	8353 3.918858	8363 3.921136	8373 3.923414
8344 3.915594	8354 3.918875	8364 3.921153	8374 3.923431
8345 3.915611	8355 3.918892	8365 3.921170	8375 3.923448
8346 3.915628	8356 3.918909	8366 3.921187	8376 3.923465
8347 3.915645	8357 3.918926	8367 3.921204	8377 3.923482
8348 3.915662	8358 3.918943	8368 3.921221	8378 3.923499
8349 3.915679	8359 3.918960	8369 3.921238	8379 3.923516
8350 3.915696	8360 3.918977	8370 3.921255	8380 3.923533
8351 3.915713	8361 3.918994	8371 3.921272	8381 3.923550
8352 3.915730	8362 3.919011	8372 3.921289	8382 3.923567
8353 3.915747	8363 3.919028	8373 3.921306	8383 3.923584
8354 3.915764	8364 3.919045	8374 3.921323	8384 3.923601
8355 3.915781	8365 3.919062	8375 3.921340	8385 3.923618
8356 3.915798	8366 3.919079	8376 3.921357	8386 3.923635
8357 3.915815	8367 3.919096	8377 3.921374	8387 3.923652
8358 3.915832	8368 3.919113	8378 3.921391	8388 3.923669



Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
8400 3.9243793	8450 3.9268167	8500 3.9294189	8550 3.9321064
8401 3.9243310	8451 3.9268681	8501 3.9294700	8551 3.9321579
8402 3.9242827	8452 3.9269195	8502 3.9295211	8552 3.9322097
8403 3.9242344	8453 3.9270109	8503 3.9295722	8553 3.9322615
8404 3.9241860	8454 3.9270622	8504 3.9296233	8554 3.9323132
8405 3.9241377	8455 3.9271136	8505 3.9296743	8555 3.9323650
8406 3.9240894	8456 3.9271650	8506 3.9297254	8556 3.9324168
8407 3.9240410	8457 3.9272163	8507 3.9297764	8557 3.9324685
8408 3.9239927	8458 3.9272677	8508 3.9298275	8558 3.9325202
8409 3.9239444	8459 3.9273190	8509 3.9298785	8559 3.9325719
8410 3.9238960	8460 3.9273704	8510 3.9299296	8560 3.9326236
8411 3.9238476	8461 3.9274217	8511 3.9299806	8561 3.9326753
8412 3.9237993	8462 3.9274730	8512 3.9300316	8562 3.9327270
8413 3.9237509	8463 3.9275243	8513 3.9300826	8563 3.9327787
8414 3.9237025	8464 3.9275757	8514 3.9301336	8564 3.9328304
8415 3.9236541	8465 3.9276270	8515 3.9301847	8565 3.9328821
8416 3.9236057	8466 3.9276783	8516 3.9302357	8566 3.9329338
8417 3.9235573	8467 3.9277296	8517 3.9302866	8567 3.9329855
8418 3.9235089	8468 3.9277808	8518 3.9303376	8568 3.9330372
8419 3.9234605	8469 3.9278321	8519 3.9303886	8569 3.9330889
8420 3.9234121	8470 3.9278834	8520 3.9304396	8570 3.9331406
8421 3.9233637	8471 3.9279347	8521 3.9304906	8571 3.9331923
8422 3.9233152	8472 3.9279859	8522 3.9305415	8572 3.9332440
8423 3.9232668	8473 3.9280372	8523 3.9305925	8573 3.9332957
8424 3.9232184	8474 3.9280885	8524 3.9306434	8574 3.9333474
8425 3.9231699	8475 3.9281397	8525 3.9306944	8575 3.9333991
8426 3.9231215	8476 3.9281909	8526 3.9307453	8576 3.9334508
8427 3.9230730	8477 3.9282422	8527 3.9307963	8577 3.9335025
8428 3.9230245	8478 3.9282934	8528 3.9308472	8578 3.9335542
8429 3.9229761	8479 3.9283446	8529 3.9308981	8579 3.9336059
8430 3.9229276	8480 3.9283959	8530 3.9309490	8580 3.9336576
8431 3.9228791	8481 3.9284471	8531 3.9309999	8581 3.9337093
8432 3.9228306	8482 3.9284983	8532 3.9310508	8582 3.9337610
8433 3.9227821	8483 3.9285495	8533 3.9311017	8583 3.9338127
8434 3.9227336	8484 3.9286007	8534 3.9311526	8584 3.9338644
8435 3.9226851	8485 3.9286518	8535 3.9312035	8585 3.9339161
8436 3.9226366	8486 3.9287030	8536 3.9312544	8586 3.9339678
8437 3.9225880	8487 3.9287542	8537 3.9313053	8587 3.9340195
8438 3.9225395	8488 3.9288054	8538 3.9313561	8588 3.9340712
8439 3.9224910	8489 3.9288565	8539 3.9314070	8589 3.9341229
8440 3.9224424	8490 3.9289077	8540 3.9314579	8590 3.9341746
8441 3.9223939	8491 3.9289588	8541 3.9315087	8591 3.9342263
8442 3.9223453	8492 3.9290100	8542 3.9315596	8592 3.9342780
8443 3.9222968	8493 3.9290611	8543 3.9316104	8593 3.9343297
8444 3.9222482	8494 3.9291123	8544 3.9316612	8594 3.9343814
8445 3.9221997	8495 3.9291634	8545 3.9317121	8595 3.9344331
8446 3.9221511	8496 3.9292145	8546 3.9317629	8596 3.9344848
8447 3.9221025	8497 3.9292656	8547 3.9318137	8597 3.9345365
8448 3.9220539	8498 3.9293167	8548 3.9318645	8598 3.9345882
8449 3.9220053	8499 3.9293678	8549 3.9319153	8599 3.9346399
8450 3.9219567	8500 3.9294189	8550 3.9319661	

New Logarith.	New Logarith.	New Logarith.	New Logarith.
8600 3.9341484	8650 3.9370161	8700 3.9395193	8750 3.9420081
8601 3.9341489	8651 3.9370263	8701 3.9395692	8751 3.9420577
8602 3.9341594	8652 3.9371165	8702 3.9396191	8752 3.9421073
8603 3.9341699	8653 3.9371667	8703 3.9396690	8753 3.9421569
8604 3.9341704	8654 3.9372169	8704 3.9397189	8754 3.9422065
8605 3.9341710	8655 3.9372671	8705 3.9397688	8755 3.9422561
8606 3.9341813	8656 3.9373172	8706 3.9398187	8756 3.9423058
8607 3.9341818	8657 3.9373674	8707 3.9398685	8757 3.9423553
8608 3.9341923	8658 3.9374176	8708 3.9399184	8758 3.9424049
8609 3.9341927	8659 3.9374677	8709 3.9399683	8759 3.9424545
8610 3.9342032	8660 3.9375170	8710 3.9400182	8760 3.9425041
8611 3.9342036	8661 3.9375680	8711 3.9400680	8761 3.9425537
8612 3.9342140	8662 3.9376182	8712 3.9401179	8762 3.9426032
8613 3.9342144	8663 3.9376683	8713 3.9401677	8763 3.9426528
8614 3.9342240	8664 3.9377184	8714 3.9402176	8764 3.9427024
8615 3.9342243	8665 3.9377686	8715 3.9402674	8765 3.9427519
8616 3.9342347	8666 3.9378187	8716 3.9403172	8766 3.9428015
8617 3.9342351	8667 3.9378688	8717 3.9403670	8767 3.9428510
8618 3.9342409	8668 3.9379189	8718 3.9404169	8768 3.9429005
8619 3.9342413	8669 3.9379690	8719 3.9404667	8769 3.9429501
8620 3.9342517	8670 3.9380191	8720 3.9405165	8770 3.9430006
8621 3.9342521	8671 3.9380692	8721 3.9405663	8771 3.9430501
8622 3.9342625	8672 3.9381193	8722 3.9406161	8772 3.9431006
8623 3.9342629	8673 3.9381693	8723 3.9406659	8773 3.9431501
8624 3.9342733	8674 3.9382194	8724 3.9407157	8774 3.9432006
8625 3.9342737	8675 3.9382695	8725 3.9407654	8775 3.9432501
8626 3.9342841	8676 3.9383195	8726 3.9408152	8776 3.9433006
8627 3.9342845	8677 3.9383696	8727 3.9408650	8777 3.9433501
8628 3.9342949	8678 3.9384196	8728 3.9409147	8778 3.9434006
8629 3.9342953	8679 3.9384697	8729 3.9409645	8779 3.9434501
8630 3.9343057	8680 3.9385197	8730 3.9410142	8780 3.9435006
8631 3.9343061	8681 3.9385698	8731 3.9410640	8781 3.9435501
8632 3.9343165	8682 3.9386196	8732 3.9411137	8782 3.9436006
8633 3.9343169	8683 3.9386698	8733 3.9411635	8783 3.9436501
8634 3.9343273	8684 3.9387198	8734 3.9412132	8784 3.9437006
8635 3.9343277	8685 3.9387698	8735 3.9412629	8785 3.9437501
8636 3.9343381	8686 3.9388198	8736 3.9413126	8786 3.9438006
8637 3.9343385	8687 3.9388698	8737 3.9413623	8787 3.9438501
8638 3.9343489	8688 3.9389198	8738 3.9414120	8788 3.9439006
8639 3.9343493	8689 3.9389698	8739 3.9414617	8789 3.9439501
8640 3.9343597	8690 3.9390198	8740 3.9415114	8790 3.9440006
8641 3.9343601	8691 3.9390697	8741 3.9415611	8791 3.9440501
8642 3.9343705	8692 3.9391197	8742 3.9416108	8792 3.9441006
8643 3.9343709	8693 3.9391697	8743 3.9416605	8793 3.9441501
8644 3.9343813	8694 3.9392196	8744 3.9417101	8794 3.9442006
8645 3.9343817	8695 3.9392696	8745 3.9417598	8795 3.9442501
8646 3.9343921	8696 3.9393195	8746 3.9418095	8796 3.9443006
8647 3.9343925	8697 3.9393695	8747 3.9418591	8797 3.9443501
8648 3.9344029	8698 3.9394194	8748 3.9419088	8798 3.9444006
8649 3.9344033	8699 3.9394693	8749 3.9419584	8799 3.9444501
8650 3.9370161	8700 3.9395193	8750 3.9420081	8800 3.9444827

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
8800 3.9444827	8810 3.9469433	8900 3.9473900	8910 3.9518230
8801 3.9445120	8811 3.9469923	8901 3.9474388	8911 3.9518716
8802 3.9445414	8812 3.9470414	8902 3.9474876	8912 3.9519201
8803 3.9445707	8813 3.9470901	8903 3.9475364	8913 3.9519686
8804 3.9446000	8814 3.9471395	8904 3.9475852	8914 3.9520171
8805 3.9446294	8815 3.9471886	8905 3.9476339	8915 3.9520656
8806 3.9446787	8816 3.9472376	8906 3.9476827	8916 3.9521141
8807 3.9447280	8817 3.9472866	8907 3.9477315	8917 3.9521626
8808 3.9447773	8818 3.9473357	8908 3.9477802	8918 3.9522111
8809 3.9448266	8819 3.9473847	8909 3.9478290	8919 3.9522595
8810 3.9448759	8820 3.9474337	8910 3.9478777	8920 3.9523080
8811 3.9450252	8821 3.9474827	8911 3.9479264	8921 3.9523565
8812 3.9450745	8822 3.9475317	8912 3.9479752	8922 3.9524049
8813 3.9451238	8823 3.9475807	8913 3.9480239	8923 3.9524534
8814 3.9451730	8824 3.9476297	8914 3.9480726	8924 3.9525018
8815 3.9452223	8825 3.9476787	8915 3.9481213	8925 3.9525503
8816 3.9452716	8826 3.9477277	8916 3.9481701	8926 3.9525987
8817 3.9453208	8827 3.9477767	8917 3.9482188	8927 3.9526472
8818 3.9453701	8828 3.9478257	8918 3.9482675	8928 3.9526956
8819 3.9454193	8829 3.9478747	8919 3.9483162	8929 3.9527440
8820 3.9454686	8830 3.9479236	8920 3.9483649	8930 3.9527924
8821 3.9455178	8831 3.9479726	8921 3.9484135	8931 3.9528409
8822 3.9455671	8832 3.9480215	8922 3.9484622	8932 3.9528893
8823 3.9456163	8833 3.9480705	8923 3.9485109	8933 3.9529377
8824 3.9456656	8834 3.9481194	8924 3.9485596	8934 3.9529861
8825 3.9457147	8835 3.9481684	8925 3.9486082	8935 3.9530345
8826 3.9457639	8836 3.9482173	8926 3.9486569	8936 3.9530828
8827 3.9458131	8837 3.9482662	8927 3.9487055	8937 3.9531312
8828 3.9458623	8838 3.9483151	8928 3.9487542	8938 3.9531796
8829 3.9459115	8839 3.9483641	8929 3.9488028	8939 3.9532280
8830 3.9459607	8840 3.9484130	8930 3.9488515	8940 3.9532764
8831 3.9460099	8841 3.9484619	8931 3.9489001	8941 3.9533247
8832 3.9460591	8842 3.9485108	8932 3.9489487	8942 3.9533730
8833 3.9461082	8843 3.9485597	8933 3.9489973	8943 3.9534214
8834 3.9461574	8844 3.9486085	8934 3.9490459	8944 3.9534697
8835 3.9462066	8845 3.9486574	8935 3.9490946	8945 3.9535181
8836 3.9462557	8846 3.9487063	8936 3.9491432	8946 3.9535664
8837 3.9463048	8847 3.9487552	8937 3.9491918	8947 3.9536147
8838 3.9463539	8848 3.9488040	8938 3.9492404	8948 3.9536631
8839 3.9464031	8849 3.9488529	8939 3.9492890	8949 3.9537114
8840 3.9464522	8850 3.9489018	8940 3.9493375	8950 3.9537597
8841 3.9465014	8851 3.9489506	8941 3.9493861	8951 3.9538080
8842 3.9465505	8852 3.9489995	8942 3.9494347	8952 3.9538563
8843 3.9465996	8853 3.9490483	8943 3.9494832	8953 3.9539046
8844 3.9466487	8854 3.9490971	8944 3.9495318	8954 3.9539529
8845 3.9466978	8855 3.9491460	8945 3.9495802	8955 3.9540012
8846 3.9467469	8856 3.9491948	8946 3.9496288	8956 3.9540494
8847 3.9467960	8857 3.9492436	8947 3.9496774	8957 3.9540977
8848 3.9468451	8858 3.9492924	8948 3.9497260	8958 3.9541460
8849 3.9468942	8859 3.9493412	8949 3.9497745	8959 3.9541943
8850 3.9469433	8860 3.9493900	8950 3.9498230	9000 3.9542425

Nam Logarith.	Nam Logarith.	Nam Logarith.	Nam Logarith.
9000 3.953235	9010 3.956466	9100 3.959044	9190 3.961431
9001 3.9541903	9011 3.9566306	9101 3.9590891	9191 3.9614686
9002 3.9549390	9012 3.9567491	9102 3.9591368	9192 3.9615160
9003 3.9551872	9013 3.9568293	9103 3.9591845	9193 3.9615635
9004 3.9554359	9014 3.9568805	9104 3.9592322	9194 3.9616109
9005 3.9554837	9015 3.9568861	9105 3.9592799	9195 3.9616583
9006 3.9554319	9016 3.9569364	9106 3.9593276	9196 3.9617058
9007 3.9554802	9017 3.9569844	9107 3.9593753	9197 3.9617532
9008 3.9554884	9018 3.9570323	9108 3.9594230	9198 3.9618006
9009 3.9554766	9019 3.9570801	9109 3.9594707	9199 3.9618481
9010 3.9554748	9020 3.9571282	9110 3.9595184	9200 3.9618955
9011 3.9554770	9021 3.9571761	9111 3.9595660	9201 3.9619429
9012 3.9554813	9022 3.9572241	9112 3.9596137	9202 3.9619903
9013 3.9554859	9023 3.9572720	9113 3.9596614	9203 3.9620377
9014 3.9554917	9024 3.9573199	9114 3.9597091	9204 3.9620851
9015 3.9554967	9025 3.9573678	9115 3.9597567	9205 3.9621325
9016 3.9555013	9026 3.9574157	9116 3.9598043	9206 3.9621799
9017 3.9555061	9027 3.9574636	9117 3.9598520	9207 3.9622272
9018 3.9555110	9028 3.9575115	9118 3.9598996	9208 3.9622746
9019 3.9555184	9029 3.9575594	9119 3.9599472	9209 3.9623220
9020 3.9555206	9030 3.9576073	9120 3.9599948	9210 3.9623693
9021 3.9555247	9031 3.9576552	9121 3.9600425	9211 3.9624167
9022 3.9555288	9032 3.9577030	9122 3.9600901	9212 3.9624640
9023 3.9555310	9033 3.9577509	9123 3.9601377	9213 3.9625114
9024 3.9555391	9034 3.9577988	9124 3.9601853	9214 3.9625587
9025 3.9555472	9035 3.9578466	9125 3.9602329	9215 3.9626061
9026 3.9555493	9036 3.9578945	9126 3.9602805	9216 3.9626534
9027 3.9555493	9037 3.9579423	9127 3.9603280	9217 3.9627007
9028 3.9555591	9038 3.9579902	9128 3.9603756	9218 3.9627481
9029 3.9555697	9039 3.9580380	9129 3.9604232	9219 3.9627954
9030 3.9555697	9040 3.9580858	9130 3.9604708	9220 3.9628427
9031 3.9555735	9041 3.9581337	9131 3.9605183	9221 3.9628900
9032 3.9555739	9042 3.9581815	9132 3.9605659	9222 3.9629372
9033 3.9555830	9043 3.9582293	9133 3.9606135	9223 3.9629846
9034 3.9555880	9044 3.9582771	9134 3.9606610	9224 3.9630319
9035 3.9555823	9045 3.9583240	9135 3.9607086	9225 3.9630792
9036 3.9555976	9046 3.9583727	9136 3.9607561	9226 3.9631264
9037 3.9556043	9047 3.9584205	9137 3.9608036	9227 3.9631737
9038 3.9556072	9048 3.9584683	9138 3.9608512	9228 3.9632210
9039 3.95561304	9049 3.9585161	9139 3.9608987	9229 3.9632683
9040 3.9556164	9050 3.9585639	9140 3.9609462	9230 3.9633155
9041 3.9556164	9051 3.9586117	9141 3.9609937	9231 3.9633628
9042 3.9556264	9052 3.9586594	9142 3.9610412	9232 3.9634100
9043 3.9556325	9053 3.9587072	9143 3.9610887	9233 3.9634573
9044 3.9556366	9054 3.9587549	9144 3.9611362	9234 3.9635045
9045 3.9556485	9055 3.9588027	9145 3.9611837	9235 3.9635517
9046 3.9556496	9056 3.9588505	9146 3.9612312	9236 3.9635990
9047 3.9556506	9057 3.9588982	9147 3.9612787	9237 3.9636462
9048 3.9556598	9058 3.9589459	9148 3.9613262	9238 3.9636934
9049 3.9556600	9059 3.9589937	9149 3.9613736	9239 3.9637406
9050 3.9556686	9100 3.9590414	9150 3.9614211	9240 3.9637878

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
9200 3.9637878	9250 3.9661417	9300 3.9684829	9350 3.9708116
9201 3.9638350	9251 3.9661887	9301 3.9685295	9351 3.9708581
9202 3.9638821	9252 3.9662356	9302 3.9685763	9352 3.9709045
9203 3.9639294	9253 3.9662826	9303 3.9686230	9353 3.9709509
9204 3.9639766	9254 3.9663295	9304 3.9686697	9354 3.9710074
9205 3.9640238	9255 3.9663764	9305 3.9687164	9355 3.9710438
9206 3.9640710	9256 3.9664233	9306 3.9687630	9356 3.9710902
9207 3.9641181	9257 3.9664703	9307 3.9688097	9357 3.9711366
9208 3.9641653	9258 3.9665172	9308 3.9688564	9358 3.9711830
9209 3.9642125	9259 3.9665641	9309 3.9689030	9359 3.9712294
9210 3.9642596	9260 3.9666110	9310 3.9689497	9360 3.9712758
9211 3.9643068	9261 3.9666579	9311 3.9689963	9361 3.9713222
9212 3.9643539	9262 3.9667048	9312 3.9690430	9362 3.9713686
9213 3.9644011	9263 3.9667517	9313 3.9690896	9363 3.9714150
9214 3.9644482	9264 3.9667985	9314 3.9691362	9364 3.9714614
9215 3.9644953	9265 3.9668454	9315 3.9691829	9365 3.9715078
9216 3.9645425	9266 3.9668923	9316 3.9692295	9366 3.9715542
9217 3.9645896	9267 3.9669392	9317 3.9692761	9367 3.9716006
9218 3.9646367	9268 3.9669860	9318 3.9693227	9368 3.9716469
9219 3.9646838	9269 3.9670329	9319 3.9693693	9369 3.9716932
9220 3.9647309	9270 3.9670797	9320 3.9694159	9370 3.9717396
9221 3.9647780	9271 3.9671266	9321 3.9694625	9371 3.9717859
9222 3.9648251	9272 3.9671734	9322 3.9695091	9372 3.9718323
9223 3.9648722	9273 3.9672203	9323 3.9695557	9373 3.9718786
9224 3.9649193	9274 3.9672671	9324 3.9696023	9374 3.9719249
9225 3.9649664	9275 3.9673139	9325 3.9696488	9375 3.9719713
9226 3.9650134	9276 3.9673607	9326 3.9696954	9376 3.9720176
9227 3.9650605	9277 3.9674076	9327 3.9697420	9377 3.9720639
9228 3.9651076	9278 3.9674544	9328 3.9697885	9378 3.9721102
9229 3.9651546	9279 3.9675012	9329 3.9698351	9379 3.9721565
9230 3.9652017	9280 3.9675480	9330 3.9698816	9380 3.9722028
9231 3.9652488	9281 3.9675948	9331 3.9699282	9381 3.9722491
9232 3.9652958	9282 3.9676416	9332 3.9699747	9382 3.9722954
9233 3.9653428	9283 3.9676883	9333 3.9700213	9383 3.9723417
9234 3.9653899	9284 3.9677351	9334 3.9700678	9384 3.9723880
9235 3.9654369	9285 3.9677819	9335 3.9701143	9385 3.9724343
9236 3.9654839	9286 3.9678287	9336 3.9701608	9386 3.9724805
9237 3.9655309	9287 3.9678754	9337 3.9702074	9387 3.9725268
9238 3.9655770	9288 3.9679222	9338 3.9702539	9388 3.9725731
9239 3.9656240	9289 3.9679690	9339 3.9703004	9389 3.9726193
9240 3.9656710	9290 3.9680157	9340 3.9703469	9390 3.9726656
9241 3.9657180	9291 3.9680625	9341 3.9703934	9391 3.9727118
9242 3.9657650	9292 3.9681092	9342 3.9704399	9392 3.9727581
9243 3.9658120	9293 3.9681559	9343 3.9704863	9393 3.9728043
9244 3.9658590	9294 3.9682027	9344 3.9705328	9394 3.9728506
9245 3.9659060	9295 3.9682494	9345 3.9705793	9395 3.9728968
9246 3.9659530	9296 3.9682961	9346 3.9706258	9396 3.9729430
9247 3.9660000	9297 3.9683428	9347 3.9706722	9397 3.9729892
9248 3.9660470	9298 3.9683895	9348 3.9707187	9398 3.9730354
9249 3.9660940	9299 3.9684362	9349 3.9707652	9399 3.9730816
9250 3.9661417	9300 3.9684829	9350 3.9708116	9400 3.9731279

Num. Logarith.	Num. Logarith.	Num. Logarith.	Num. Logarith.
9400 3.9731290	9410 3.9754316	9500 3.9777236	9510 3.9800034
9401 3.9731741	9411 3.9754773	9501 3.9777695	9511 3.9800488
9402 3.9732202	9412 3.9755237	9502 3.9778150	9512 3.9800943
9403 3.9732664	9413 3.9755697	9503 3.9778607	9513 3.9801398
9404 3.9733126	9414 3.9756156	9504 3.9779064	9514 3.9801853
9405 3.9733588	9415 3.9756614	9505 3.9779521	9515 3.9802307
9406 3.9734050	9416 3.9757075	9506 3.9779976	9516 3.9802761
9407 3.9734511	9417 3.9757534	9507 3.9780431	9517 3.9803216
9408 3.9734973	9418 3.9757993	9508 3.9780889	9518 3.9803670
9409 3.9735435	9419 3.9758452	9509 3.9781348	9519 3.9804125
9410 3.9735896	9420 3.9758911	9510 3.9781804	9520 3.9804579
9411 3.9736358	9421 3.9759370	9511 3.9782262	9521 3.9805033
9412 3.9736819	9422 3.9759829	9512 3.9782718	9522 3.9805487
9413 3.9737281	9423 3.9760288	9513 3.9783175	9523 3.9805942
9414 3.9737742	9424 3.9760747	9514 3.9783631	9524 3.9806396
9415 3.9738203	9425 3.9761206	9515 3.9784088	9525 3.9806850
9416 3.9738664	9426 3.9761665	9516 3.9784544	9526 3.9807304
9417 3.9739126	9427 3.9762124	9517 3.9785001	9527 3.9807758
9418 3.9739587	9428 3.9762582	9518 3.9785457	9528 3.9808213
9419 3.9740048	9429 3.9763041	9519 3.9785913	9529 3.9808666
9420 3.9740509	9430 3.9763500	9520 3.9786369	9530 3.9809119
9421 3.9740970	9431 3.9763958	9521 3.9786826	9531 3.9809573
9422 3.9741431	9432 3.9764417	9522 3.9787282	9532 3.9810027
9423 3.9741892	9433 3.9764875	9523 3.9787738	9533 3.9810481
9424 3.9742353	9434 3.9765334	9524 3.9788194	9534 3.9810934
9425 3.9742814	9435 3.9765792	9525 3.9788650	9535 3.9811388
9426 3.9743274	9436 3.9766251	9526 3.9789106	9536 3.9811841
9427 3.9743735	9437 3.9766709	9527 3.9789562	9537 3.9812295
9428 3.9744196	9438 3.9767167	9528 3.9790017	9538 3.9812748
9429 3.9744656	9439 3.9767625	9529 3.9790473	9539 3.9813202
9430 3.9745117	9440 3.9768083	9530 3.9790929	9540 3.9813655
9431 3.9745577	9441 3.9768541	9531 3.9791385	9541 3.9814108
9432 3.9746038	9442 3.9768999	9532 3.9791840	9542 3.9814562
9433 3.9746498	9443 3.9769457	9533 3.9792296	9543 3.9815015
9434 3.9746959	9444 3.9769915	9534 3.9792751	9544 3.9815468
9435 3.9747419	9445 3.9770373	9535 3.9793207	9545 3.9815921
9436 3.9747879	9446 3.9770831	9536 3.9793662	9546 3.9816374
9437 3.9748340	9447 3.9771289	9537 3.9794118	9547 3.9816827
9438 3.9748800	9448 3.9771747	9538 3.9794573	9548 3.9817280
9439 3.9749260	9449 3.9772204	9539 3.9795028	9549 3.9817733
9440 3.9749720	9450 3.9772662	9540 3.9795484	9550 3.9818186
9441 3.9750180	9451 3.9773120	9541 3.9795939	9551 3.9818639
9442 3.9750640	9452 3.9773577	9542 3.9796394	9552 3.9819092
9443 3.9751100	9453 3.9774035	9543 3.9796849	9553 3.9819544
9444 3.9751560	9454 3.9774492	9544 3.9797304	9554 3.9819997
9445 3.9752020	9455 3.9774950	9545 3.9797759	9555 3.9820450
9446 3.9752479	9456 3.9775407	9546 3.9798214	9556 3.9820903
9447 3.9752939	9457 3.9775864	9547 3.9798669	9557 3.9821355
9448 3.9753399	9458 3.9776322	9548 3.9799124	9558 3.9821807
9449 3.9753858	9459 3.9776779	9549 3.9799579	9559 3.9822260
9450 3.9754318	9500 3.9777236	9550 3.9800034	9600 3.9822713



Tabula Logarithmorum.

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Num	Logarith.	Num	Logarith.	Num	Logarith.	Num	Logarith.
9600	3.9822712	9690	3.9845273	9780	3.9867717	9870	3.9890046
9601	3.9823165	9691	3.9845723	9781	3.9868165	9871	3.9890498
9602	3.9823617	9692	3.9846173	9782	3.9868613	9872	3.9890957
9603	3.9824069	9693	3.9846623	9783	3.9869060	9873	3.9891382
9604	3.9824522	9694	3.9847073	9784	3.9869508	9874	3.9891828
9605	3.9824974	9695	3.9847523	9785	3.9869955	9875	3.9892273
9606	3.9825426	9696	3.9847973	9786	3.9870403	9876	3.9892718
9607	3.9825878	9697	3.9848423	9787	3.9870850	9877	3.9893163
9608	3.9826330	9698	3.9848872	9788	3.9871298	9878	3.9893608
9609	3.9826782	9699	3.9849322	9789	3.9871745	9879	3.9894053
9610	3.9827234	9700	3.9849771	9790	3.9872192	9880	3.9894498
9611	3.9827686	9701	3.9850221	9791	3.9872640	9881	3.9894943
9612	3.9828138	9702	3.9850670	9792	3.9873087	9882	3.9895388
9613	3.9828589	9703	3.9851120	9793	3.9873534	9883	3.9895833
9614	3.9829041	9704	3.9851569	9794	3.9873981	9884	3.9896278
9615	3.9829493	9705	3.9852019	9795	3.9874428	9885	3.9896722
9616	3.9829944	9706	3.9852468	9796	3.9874875	9886	3.9897167
9617	3.9830396	9707	3.9852917	9797	3.9875322	9887	3.9897612
9618	3.9830848	9708	3.9853366	9798	3.9875769	9888	3.9898056
9619	3.9831299	9709	3.9853816	9799	3.9876216	9889	3.9898501
9620	3.9831751	9710	3.9854265	9800	3.9876663	9890	3.9898946
9621	3.9832202	9711	3.9854714	9801	3.9877109	9891	3.9899390
9622	3.9832654	9712	3.9855163	9802	3.9877556	9892	3.9899835
9623	3.9833105	9713	3.9855612	9803	3.9878003	9893	3.9900279
9624	3.9833556	9714	3.9856061	9804	3.9878449	9894	3.9900723
9625	3.9834007	9715	3.9856510	9805	3.9878896	9895	3.9901168
9626	3.9834459	9716	3.9856959	9806	3.9879343	9896	3.9901612
9627	3.9834910	9717	3.9857407	9807	3.9879789	9897	3.9902056
9628	3.9835361	9718	3.9857856	9808	3.9880236	9898	3.9902500
9629	3.9835812	9719	3.9858305	9809	3.9880682	9899	3.9902944
9630	3.9836263	9720	3.9858754	9810	3.9881128	9900	3.9903389
9631	3.9836714	9721	3.9859202	9811	3.9881575	9901	3.9903833
9632	3.9837165	9722	3.9859651	9812	3.9882021	9902	3.9904277
9633	3.9837616	9723	3.9860099	9813	3.9882467	9903	3.9904721
9634	3.9838066	9724	3.9860548	9814	3.9882913	9904	3.9905164
9635	3.9838517	9725	3.9860996	9815	3.9883360	9905	3.9905608
9636	3.9838968	9726	3.9861445	9816	3.9883806	9906	3.9906052
9637	3.9839419	9727	3.9861893	9817	3.9884252	9907	3.9906496
9638	3.9839869	9728	3.9862341	9818	3.9884698	9908	3.9906940
9639	3.9840320	9729	3.9862790	9819	3.9885144	9909	3.9907383
9640	3.9840770	9730	3.9863238	9820	3.9885590	9910	3.9907827
9641	3.9841221	9731	3.9863686	9821	3.9886036	9911	3.9908270
9642	3.9841671	9732	3.9864134	9822	3.9886481	9912	3.9908714
9643	3.9842122	9733	3.9864582	9823	3.9886927	9913	3.9909158
9644	3.9842572	9734	3.9865030	9824	3.9887373	9914	3.9909601
9645	3.9843022	9735	3.9865478	9825	3.9887818	9915	3.9910044
9646	3.9843473	9736	3.9865926	9826	3.9888264	9916	3.9910488
9647	3.9843923	9737	3.9866374	9827	3.9888710	9917	3.9910931
9648	3.9844373	9738	3.9866822	9828	3.9889155	9918	3.9911374
9649	3.9844823	9739	3.9867270	9829	3.9889601	9919	3.9911818
9650	3.9845273	9740	3.9867717	9830	3.9890046	9920	3.9912261



Nun. Logarith.	Nun. Logarith.	Nun. Logarith.	Nun. Logarith.
9800 3.9912361	9810 3.9914201	9900 3.9910412	9910 3.9908231
9801 3.9911704	9811 3.9914803	9901 3.9910791	9911 3.9908667
9802 3.9911147	9812 3.9915404	9902 3.9911152	9912 3.9909104
9803 3.9910590	9813 3.9916005	9903 3.9911513	9913 3.9909540
9804 3.9910033	9814 3.9916606	9904 3.9911874	9914 3.9909976
9805 3.9909476	9815 3.9917207	9905 3.9912235	9915 3.9910412
9806 3.9908919	9816 3.9917808	9906 3.9912596	9916 3.9910849
9807 3.9908362	9817 3.9918409	9907 3.9912957	9917 3.9911285
9808 3.9907805	9818 3.9919010	9908 3.9913318	9918 3.9911721
9809 3.9907247	9819 3.9919611	9909 3.9913679	9919 3.9912157
9810 3.9906690	9820 3.9920212	9910 3.9914040	9920 3.9912593
9811 3.9906133	9821 3.9920813	9911 3.9914401	9921 3.9913029
9812 3.9905576	9822 3.9921414	9912 3.9914762	9922 3.9913465
9813 3.9905019	9823 3.9922015	9913 3.9915123	9923 3.9913901
9814 3.9904462	9824 3.9922616	9914 3.9915484	9924 3.9914337
9815 3.9903905	9825 3.9923217	9915 3.9915845	9925 3.9914773
9816 3.9903348	9826 3.9923818	9916 3.9916206	9926 3.9915209
9817 3.9902791	9827 3.9924419	9917 3.9916567	9927 3.9915645
9818 3.9902234	9828 3.9925020	9918 3.9916928	9928 3.9916081
9819 3.9901677	9829 3.9925621	9919 3.9917289	9929 3.9916516
9820 3.9901119	9830 3.9926222	9920 3.9917650	9930 3.9916952
9821 3.9900562	9831 3.9926823	9921 3.9918011	9931 3.9917387
9822 3.9900005	9832 3.9927424	9922 3.9918372	9932 3.9917823
9823 3.9999448	9833 3.9928025	9923 3.9918733	9933 3.9918258
9824 3.9998891	9834 3.9928626	9924 3.9919094	9934 3.9918694
9825 3.9998334	9835 3.9929227	9925 3.9919455	9935 3.9919129
9826 3.9997777	9836 3.9929828	9926 3.9919816	9936 3.9919565
9827 3.9997220	9837 3.9930429	9927 3.9920177	9937 3.9920001
9828 3.9996663	9838 3.9931030	9928 3.9920538	9938 3.9920437
9829 3.9996106	9839 3.9931631	9929 3.9920899	9939 3.9920873
9830 3.9995549	9840 3.9932232	9930 3.9921260	9940 3.9921309
9831 3.9994992	9841 3.9932833	9931 3.9921621	9941 3.9921744
9832 3.9994435	9842 3.9933434	9932 3.9921982	9942 3.9922180
9833 3.9993878	9843 3.9934035	9933 3.9922343	9943 3.9922616
9834 3.9993321	9844 3.9934636	9934 3.9922704	9944 3.9923052
9835 3.9992764	9845 3.9935237	9935 3.9923065	9945 3.9923488
9836 3.9992207	9846 3.9935838	9936 3.9923426	9946 3.9923924
9837 3.9991650	9847 3.9936439	9937 3.9923787	9947 3.9924360
9838 3.9991093	9848 3.9937040	9938 3.9924148	9948 3.9924796
9839 3.9990536	9849 3.9937641	9939 3.9924509	9949 3.9925232
9840 3.9989979	9850 3.9938242	9940 3.9924870	9950 3.9925668
9841 3.9989422	9851 3.9938843	9941 3.9925231	9951 3.9926104
9842 3.9988865	9852 3.9939444	9942 3.9925592	9952 3.9926540
9843 3.9988308	9853 3.9940045	9943 3.9925953	9953 3.9926976
9844 3.9987751	9854 3.9940646	9944 3.9926314	9954 3.9927412
9845 3.9987194	9855 3.9941247	9945 3.9926675	9955 3.9927848
9846 3.9986637	9856 3.9941848	9946 3.9927036	9956 3.9928284
9847 3.9986080	9857 3.9942449	9947 3.9927397	9957 3.9928720
9848 3.9985523	9858 3.9943050	9948 3.9927758	9958 3.9929156
9849 3.9984966	9859 3.9943651	9949 3.9928119	9959 3.9929592
9850 3.9984409	9860 3.9944252	9950 3.9928480	9960 3.9930028

*De Sinubus & Tangentibus arcuum non  
excedentium Grad. 90. Cent. 50: Et de  
Tangentibus arcuum supra Grad. 89.  
Cent. 50.*

I. Si arcus, cujus sinus vel tangens de-  
sideratur, sit infra Grad. 90. Cent. 50: Centessi-  
marum cum partibus decimalibus datarū,  
Logarithmum quære: ac si numerus ef-  
fet absolutus, adhibito etiam justo Indice  
ipsique adde 6.2418774, primum sinum  
in Canone, multarum numero collateralis  
congruo sub S pro sinibus; vel augmentum  
numero collateralis congruo sub A pro  
tangentibus.

*Exempli gratia.*

Gr. 0. C. 43. 56. vel Gr. 0. 43. 56.

$$\begin{array}{r} \text{Sinus est } 1,6390879 + 6,2418774 = \\ = 7.8809653 \quad 7.8809653 \\ \quad \quad \quad -43 \quad \quad \quad +83 \end{array}$$

fin. 0.43.56 tang. 0.43.56

Si arcus cujus tangens desideratur,  
major sit quàm Gr. 89. 50: Quære primò  
tangente complementi ipsius; quam  
postea tolles ex 20.0000000, viz. 2 Ra-  
dii.

II. Si sinus vel tangens proponatur,  
cujus arcus desideratur. Ex numero pro-  
posito

S	C	A
0	1	0
0	2	0
0	3	1
1	4	1
1	5	2
1	6	2
1	7	3
2	8	3
2	9	3
3	10	4
3	11	5
3	12	6
4	13	8
4	14	9
6	15	9
6	16	11
7	17	12
7	18	14
8	19	16
9	20	17
10	21	19
11	22	21
12	23	23
13	24	25
14	25	27
14	26	30
15	27	32
17	28	35
19	29	37
20	30	40
22	31	42
23	32	45
24	33	48
26	34	51
27	35	54
29	36	57
30	37	60
32	38	63
34	39	67
36	40	70
38	41	73
40	42	77
42	43	81
43	44	85
45	45	89
47	46	93
49	47	97
51	48	102
53	49	105
55	50	110

posito tolle ipsum 6.2418774, multatū vel auctū numero collateralī congruo, sicut in priori Regula præceptum est: & Logarithmī reliqui valor erit arcus in decies milleffimis.

Sic Sinus 7.8809610	Tang: 7.8809736
<u>— 6.2418774</u>	<u>— 6.2418774</u>
1.0390836	1.0390962
<u>4 43</u>	<u>— 83</u>
1.0390879	1.0390879

Cujus valor est 43.56, arcus in decies milleffimis partibus.

Sin Tangentis propositæ arcus excessurus sit Gr. 89.50: sublata ipsa ex 20 0000000, tangentis residuæ arcus quærat; quem postea ex 90 tolles.

*Inventio Numerorum Collateralium.*

Logarithmo unius centessimi partis grad: [0.01] 6.2418774, adde Logarithmum numeri centessimarum; summa erit major quàm sinus eorundem, sed minor quàm tangens; capiatur utraque differentia, & adscribatur in margine.

*Exempli gratia.* C. 43: [0.43]

Log: 500.1 6.2418774 20.43 1.6232685 7.8753459	S 0.43 7.8753417 = 42 Tum 7.8753459 1.043 7.8753450 = 81
--	--

Numeri  
collaterales.

De Sinubus & Tangentibus enormi incremento procedentibus; nempe quorum differentia secundæ penè æquales sunt: habentur autem in Tabulâ differentiarum primarum & secundarum sequente.

Table Differentiant 1 & 2. pro Sinibus & Tangentibus.

Grad. 90.	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000

Table Differentiarum 1. & 2. pro Sinibus & Tangentibus.

Grad. 1.			Grad. 2.		
51	23660	190	1	21744	100
52	23771	188	2	21748	100
53	23886	186	3	21752	100
54	23903	183	4	21756	100
55	23921	181	5	21760	100
56	23944	178	6	21764	101
57	23967	177	7	21768	101
58	23993	174	8	21772	101
59	24011	172	9	21776	99
60	24032	169	10	21780	99
61	24054	168	11	21784	97
62	24079	164	12	21788	97
63	24105	161	13	21792	96
64	24134	160	14	21796	94
65	24164	158	15	21800	94
66	24196	155	16	21804	93
67	24231	154	17	21808	92
68	24267	152	18	21812	91
69	24305	151	19	21816	90
70	24344	148	20	21820	89
71	24384	147	21	21824	88
72	24425	145	22	21828	87
73	24467	144	23	21832	86
74	24510	142	24	21836	86
75	24554	140	25	21840	85
76	24600	138	26	21844	84
77	24647	137	27	21848	84
78	24695	135	28	21852	83
79	24744	134	29	21856	82
80	24794	132	30	21860	81
81	24845	131	31	21864	81
82	24897	130	32	21868	80
83	24950	128	33	21872	80
84	25004	127	34	21876	79
85	25059	126	35	21880	78
86	25115	124	36	21884	77
87	25172	123	37	21888	77
88	25230	121	38	21892	76
89	25289	121	39	21896	76
90	25349	119	40	21900	75
91	25410	118	41	21904	74
92	25472	117	42	21908	73
93	25535	116	43	21912	73
94	25599	114	44	21916	73
95	25664	113	45	21920	72
96	25730	112	46	21924	72
97	25797	111	47	21928	71
98	25865	110	48	21932	70
99	25934	108	49	21936	70
100	26004		50	21940	
D. 1.			D. 2.		

**Tabela Diferenciarum 1. & 2. pro Jactis & Tactis.**

51	17257	50	17250	49	17250	48	17250	47	17250	46	17250	45	17250	44	17250	43	17250	42	17250	41	17250	40	17250	39	17250	38	17250	37	17250	36	17250	35	17250	34	17250	33	17250	32	17250	31	17250	30	17250	29	17250	28	17250	27	17250	26	17250	25	17250	24	17250	23	17250	22	17250	21	17250	20	17250	19	17250	18	17250	17	17250	16	17250	15	17250	14	17250	13	17250	12	17250	11	17250	10	17250	9	17250	8	17250	7	17250	6	17250	5	17250	4	17250	3	17250	2	17250	1	17250	0	17250																						
52	17258	51	17259	50	17260	49	17261	48	17262	47	17263	46	17264	45	17265	44	17266	43	17267	42	17268	41	17269	40	17270	39	17271	38	17272	37	17273	36	17274	35	17275	34	17276	33	17277	32	17278	31	17279	30	17280	29	17281	28	17282	27	17283	26	17284	25	17285	24	17286	23	17287	22	17288	21	17289	20	17290	19	17291	18	17292	17	17293	16	17294	15	17295	14	17296	13	17297	12	17298	11	17299	10	17300	9	17301	8	17302	7	17303	6	17304	5	17305	4	17306	3	17307	2	17308	1	17309	0	17310																				
53	17311	52	17312	51	17313	50	17314	49	17315	48	17316	47	17317	46	17318	45	17319	44	17320	43	17321	42	17322	41	17323	40	17324	39	17325	38	17326	37	17327	36	17328	35	17329	34	17330	33	17331	32	17332	31	17333	30	17334	29	17335	28	17336	27	17337	26	17338	25	17339	24	17340	23	17341	22	17342	21	17343	20	17344	19	17345	18	17346	17	17347	16	17348	15	17349	14	17350	13	17351	12	17352	11	17353	10	17354	9	17355	8	17356	7	17357	6	17358	5	17359	4	17360	3	17361	2	17362	1	17363	0	17364																		
54	17365	53	17366	52	17367	51	17368	50	17369	49	17370	48	17371	47	17372	46	17373	45	17374	44	17375	43	17376	42	17377	41	17378	40	17379	39	17380	38	17381	37	17382	36	17383	35	17384	34	17385	33	17386	32	17387	31	17388	30	17389	29	17390	28	17391	27	17392	26	17393	25	17394	24	17395	23	17396	22	17397	21	17398	20	17399	19	17400	18	17401	17	17402	16	17403	15	17404	14	17405	13	17406	12	17407	11	17408	10	17409	9	17410	8	17411	7	17412	6	17413	5	17414	4	17415	3	17416	2	17417	1	17418	0	17419																
55	17420	54	17421	53	17422	52	17423	51	17424	50	17425	49	17426	48	17427	47	17428	46	17429	45	17430	44	17431	43	17432	42	17433	41	17434	40	17435	39	17436	38	17437	37	17438	36	17439	35	17440	34	17441	33	17442	32	17443	31	17444	30	17445	29	17446	28	17447	27	17448	26	17449	25	17450	24	17451	23	17452	22	17453	21	17454	20	17455	19	17456	18	17457	17	17458	16	17459	15	17460	14	17461	13	17462	12	17463	11	17464	10	17465	9	17466	8	17467	7	17468	6	17469	5	17470	4	17471	3	17472	2	17473	1	17474	0	17475														
56	17476	55	17477	54	17478	53	17479	52	17480	51	17481	50	17482	49	17483	48	17484	47	17485	46	17486	45	17487	44	17488	43	17489	42	17490	41	17491	40	17492	39	17493	38	17494	37	17495	36	17496	35	17497	34	17498	33	17499	32	17500	31	17501	30	17502	29	17503	28	17504	27	17505	26	17506	25	17507	24	17508	23	17509	22	17510	21	17511	20	17512	19	17513	18	17514	17	17515	16	17516	15	17517	14	17518	13	17519	12	17520	11	17521	10	17522	9	17523	8	17524	7	17525	6	17526	5	17527	4	17528	3	17529	2	17530	1	17531	0	17532												
57	17533	56	17534	55	17535	54	17536	53	17537	52	17538	51	17539	50	17540	49	17541	48	17542	47	17543	46	17544	45	17545	44	17546	43	17547	42	17548	41	17549	40	17550	39	17551	38	17552	37	17553	36	17554	35	17555	34	17556	33	17557	32	17558	31	17559	30	17560	29	17561	28	17562	27	17563	26	17564	25	17565	24	17566	23	17567	22	17568	21	17569	20	17570	19	17571	18	17572	17	17573	16	17574	15	17575	14	17576	13	17577	12	17578	11	17579	10	17580	9	17581	8	17582	7	17583	6	17584	5	17585	4	17586	3	17587	2	17588	1	17589	0	17590										
58	17591	57	17592	56	17593	55	17594	54	17595	53	17596	52	17597	51	17598	50	17599	49	17600	48	17601	47	17602	46	17603	45	17604	44	17605	43	17606	42	17607	41	17608	40	17609	39	17610	38	17611	37	17612	36	17613	35	17614	34	17615	33	17616	32	17617	31	17618	30	17619	29	17620	28	17621	27	17622	26	17623	25	17624	24	17625	23	17626	22	17627	21	17628	20	17629	19	17630	18	17631	17	17632	16	17633	15	17634	14	17635	13	17636	12	17637	11	17638	10	17639	9	17640	8	17641	7	17642	6	17643	5	17644	4	17645	3	17646	2	17647	1	17648	0	17649								
59	17650	58	17651	57	17652	56	17653	55	17654	54	17655	53	17656	52	17657	51	17658	50	17659	49	17660	48	17661	47	17662	46	17663	45	17664	44	17665	43	17666	42	17667	41	17668	40	17669	39	17670	38	17671	37	17672	36	17673	35	17674	34	17675	33	17676	32	17677	31	17678	30	17679	29	17680	28	17681	27	17682	26	17683	25	17684	24	17685	23	17686	22	17687	21	17688	20	17689	19	17690	18	17691	17	17692	16	17693	15	17694	14	17695	13	17696	12	17697	11	17698	10	17699	9	17700	8	17701	7	17702	6	17703	5	17704	4	17705	3	17706	2	17707	1	17708	0	17709						
60	17710	59	17711	58	17712	57	17713	56	17714	55	17715	54	17716	53	17717	52	17718	51	17719	50	17720	49	17721	48	17722	47	17723	46	17724	45	17725	44	17726	43	17727	42	17728	41	17729	40	17730	39	17731	38	17732	37	17733	36	17734	35	17735	34	17736	33	17737	32	17738	31	17739	30	17740	29	17741	28	17742	27	17743	26	17744	25	17745	24	17746	23	17747	22	17748	21	17749	20	17750	19	17751	18	17752	17	17753	16	17754	15	17755	14	17756	13	17757	12	17758	11	17759	10	17760	9	17761	8	17762	7	17763	6	17764	5	17765	4	17766	3	17767	2	17768	1	17769	0	17770				
61	17771	60	17772	59	17773	58	17774	57	17775	56	17776	55	17777	54	17778	53	17779	52	17780	51	17781	50	17782	49	17783	48	17784	47	17785	46	17786	45	17787	44	17788	43	17789	42	17790	41	17791	40	17792	39	17793	38	17794	37	17795	36	17796	35	17797	34	17798	33	17799	32	17800	31	17801	30	17802	29	17803	28	17804	27	17805	26	17806	25	17807	24	17808	23	17809	22	17810	21	17811	20	17812	19	17813	18	17814	17	17815	16	17816	15	17817	14	17818	13	17819	12	17820	11	17821	10	17822	9	17823	8	17824	7	17825	6	17826	5	17827	4	17828	3	17829	2	17830	1	17831	0	17832		
62	17833	61	17834	60	17835	59	17836	58	17837	57	17838	56	17839	55	17840	54	17841	53	17842	52	17843	51	17844	50	17845	49	17846	48	17847	47	17848	46	17849	45	17850	44	17851	43	17852	42	17853	41	17854	40	17855	39	17856	38	17857	37	17858	36	17859	35	17860	34	17861	33	17862	32	17863	31	17864	30	17865	29	17866	28	17867	27	17868	26	17869	25	17870	24	17871	23	17872	22	17873	21	17874	20	17875	19	17876	18	17877	17	17878	16	17879	15	17880	14	17881	13	17882	12	17883	11	17884	10	17885	9	17886	8	17887	7	17888	6	17889	5	17890	4	17891	3	17892	2	17893	1	17894	0	17895
63	17896	62	17897	61	17898	60	17899	59	17900	58	17901	57	17902	56	17903	55	17904	54	17905	53	17906	52	17907	51	17908	50	17909	49	17910	48	17911	47	17912	46	17913	45	17914	44	17915	43	17916	42	17917	41	17918	40	17919	39	17920	38	17921	37	17922	36	17923	35	17924	34	17925	33	17926	32	17927	31	17928	30	17929	29	17930	28	17931	27	17932	26	17933	25	17934	24	17935	23	17936	22	17937	21																																									



**Tabelle Differenzialum 1. bis 2. pro Sinus und Tangens**

11	11840	33	11877	46	10939	27	10852	99
12	11841	33	11878	46	10972	27	10885	98
13	11842	33	11879	47	10985	27	10909	97
14	11843	33	11880	46	10979	27	10972	96
15	11844	33	11881	47	10931	27	10940	95
16	11845	34	11882	44				
17	11846	34	11883	43	10860	26	10920	94
18	11847	34	11884	43	10840	26	10894	93
19	11848	34	11885	43	10813	26	10868	92
20	11849	34	11886	41	10807	26	10842	91
21	11850	34	11887	40	10800	26	10816	90
22	11851	35	11888	39				
23	11852	35	11889	38	10936	26	10890	89
24	11853	35	11890	37	10910	26	10865	88
25	11854	35	11891	37	10888	26	10839	87
26	11855	35	11892	36	10861	26	10814	86
27	11856	35	11893	35	10834	26	10788	85
28	11857	33	11894	34	10800	25	10764	84
29	11858	33	11895	33	10784	25	10739	83
30	11859	33	11896	32	10759	25	10714	82
31	11860	33	11897	31	10734	25	10690	81
32	11861	33	11898	30	10710	25	10665	80
33	11862	31	11899	29				
34	11863	31	11900	28	10226	24	10341	79
35	11864	31	11901	27	10209	24	10317	78
36	11865	31	11902	26	10183	24	10292	77
37	11866	31	11903	25	10158	24	10268	76
38	11867	31	11904	24	10138	24	10244	75
39	11868	31	11905	23				
40	11869	31	11906	22	10114	24	10220	74
41	11870	31	11907	21	10094	24	10197	73
42	11871	31	11908	20	10075	24	10173	72
43	11872	30	11909	19	10056	23	10150	71
44	11873	30	11910	18	10036	23	10126	70
45	11874	30	11911	17				
46	11875	30	11912	16	10016	23	10103	69
47	11876	30	11913	15	10002	23	10080	68
48	11877	30	11914	14	9999	23	10057	67
49	11878	30	11915	13	9976	23	10034	66
50	11879	30	11916	12	9953	23	10011	65
51	11880	29	11917	11				
52	11881	29	11918	10	9930	23	9988	64
53	11882	29	11919	9	9907	22	9965	63
54	11883	29	11920	8	9884	22	9943	62
55	11884	29	11921	7	9861	22	9920	61
56	11885	29	11922	6	9838	22	9898	60
57	11886	28	11923	5				
58	11887	28	11924	4	9817	22	9876	59
59	11888	28	11925	3	9795	22	9854	58
60	11889	28	11926	2	9773	22	9832	57
61	11890	28	11927	1	9751	22	9810	56
62	11891	28	11928		9749	22	9788	55
63	11892	28	11929					
64	11893	28	11930		9707	22	9766	54
65	11894	28	11931		9685	22	9744	53
66	11895	28	11932		9663	22	9723	52
67	11896	28	11933		9641	22	9701	51
68	11897	28	11934		9620	22	9680	50
69	11898	28	11935					
70	11899	28	11936					
71	11900	28	11937					
72	11901	28	11938					
73	11902	28	11939					
74	11903	28	11940					
75	11904	28	11941					
76	11905	28	11942					
77	11906	28	11943					
78	11907	28	11944					
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94	11923	28	11960					
95	11924	28	11961					
96	11925	28	11962					
97	11926	28	11963					
98	11927	28	11964					
99	11928	28	11965					
100	11929	28	11966					

11	11840	33	11877	46	10939	27	10852	99
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13	11842	33	11879	47	10985	27	10909	97
14	11843	33	11880	46	10979	27	10972	96
15	11844	33	11881	47	10931	27	10940	95
16	11845	34	11882	44				
17	11846	34	11883	43	10860	26	10920	94
18	11847	34	11884	43	10840	26	10894	93
19	11848	34	11885	43	10813	26	10868	92
20	11849	34	11886	41	10807	26	10842	91
21	11850	34	11887	40	10800	26	10816	90
22	11851	35	11888	39				
23	11852	35	11889	38	10936	26	10890	89
24	11853	35	11890	37	10910	26	10865	88
25	11854	35	11891	37	10888	26	10839	87
26	11855	35	11892	36	10861	26	10814	86
27	11856	35	11893	35	10834	26	10788	85
28	11857	33	11894	34	10800	25	10764	84
29	11858	33	11895	33	10784	25	10739	83
30	11859	33	11896	32	10759	25	10714	82
31	11860	33	11897	31	10734	25	10690	81
32	11861	33	11898	30	10710	25	10665	80
33	11862	31	11899	29				
34	11863	31	11900	28	10226	24	10341	79
35	11864	31	11901	27	10209	24	10317	78
36	11865	31	11902	26	10183	24	10292	77
37	11866	31	11903	25	10158	24	10268	76
38	11867	31	11904	24	10138	24	10244	75
39	11868	31	11905	23				
40	11869	31	11906	22	10114	24	10220	74
41	11870	31	11907	21	10094	24	10197	73
42	11871	31	11908	20	10075	24	10173	72
43	11872	30	11909	19	10056	23	10150	71
44	11873	30	11910	18	10036	23	10126	70
45	11874	30	11911	17				
46	11875	30	11912	16	10016	23	10103	69
47	11876	30	11913	15	10002	23	10080	68
48	11877	30	11914	14	9999	23	10057	67
49	11878	30	11915	13	9976	23	10034	66
50	11879	30	11916	12	9953	23	10011	65
51	11880	29	11917	11				
52	11881	29	11918	10	9930	23	9988	64
53	11882	29	11919	9	9907	22	9965	63
54	11883	29	11920	8	9884	22	9943	62
55	11884	29	11921	7	9861	22	9920	61
56	11885	29	11922	6	9838	22	9898	60
57	11886	28	11923	5				
58	11887	28	11924	4	9817	22	9876	59
59	11888	28	11925	3	9795	22	9854	58
60	11889	28	11926	2	9773	22	9832	57
61	11890	28	11927	1	9751	22	9810	56
62	11891	28	11928		9749	22	9788	55
63	11892	28	11929					
64	11893	28	11930		9707	22	9766	54
65	11894	28	11931		9685	22	9744	53
66	11895	28	11932		9663	22	9723	52
67	11896	28	11933		9641	22	9701	51
68	11897	28	11934		9620	22	9680	50
69	11898	28	11935					
70	11899	28	11936					
71	11900	28	11937					
72	11901	28	11938					
73	11902	28	11939					
74	11903	28	11940					
75	11904	28	11941					
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95	11924	28	11961					
96	11925	28	11962					
97	11926	28	11963					
98	11927	28	11964					
99	11928	28	119					



12	7780	14	7780	40
13	7786	14	7786	40
14	7792	14	7792	40
15	7798	14	7798	40
16	7804	14	7804	40
17	7810	14	7810	40
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20	7828	14	7828	40
21	7834	14	7834	40
22	7840	14	7840	40
23	7846	14	7846	40
24	7852	14	7852	40
25	7858	14	7858	40
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30	7888	14	7888	40
31	7894	14	7894	40
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46	7984	14	7984	40
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52	8020	14	8020	40
53	8026	14	8026	40
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64	8092	14	8092	40
65	8098	14	8098	40
66	8104	14	8104	40
67	8110	14	8110	40
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69	8122	14	8122	40
70	8128	14	8128	40
71	8134	14	8134	40
72	8140	14	8140	40
73	8146	14	8146	40
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84	8212	14	8212	40
85	8218	14	8218	40
86	8224	14	8224	40
87	8230	14	8230	40
88	8236	14	8236	40
89	8242	14	8242	40
90	8248	14	8248	40
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92	8260	14	8260	40
93	8266	14	8266	40
94	8272	14	8272	40
95	8278	14	8278	40
96	8284	14	8284	40
97	8290	14	8290	40
98	8296	14	8296	40
99	8302	14	8302	40
100	8308	14	8308	40

Grad. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Tabella Aequantium pro partibus 1000.

per tes.	aqua- tes.	deci- mal.	aqua- tes.	per tes.
1	0.421	5	9.621	74
2	0.842	10	9.842	73
3	1.263	15	10.063	72
4	1.684	20	10.284	71
5	2.105	25	10.505	70
6	2.526	30	10.726	69
7	2.947	35	10.947	68
8	3.368	40	11.168	67
9	3.789	45	11.389	66
10	4.210	50	11.610	65
11	4.631	55	11.831	64
12	5.052	60	12.052	63
13	5.473	65	12.273	62
14	5.894	70	12.494	61
15	6.315	75	12.715	60
16	6.736	80	12.936	59
17	7.157	85	13.157	58
18	7.578	90	13.378	57
19	7.999	95	13.599	56
20	8.420	100	13.820	55
21	8.841	5	14.041	54
22	9.262	10	14.262	53
23	9.683	15	14.483	52
24	10.104	20	14.704	51
25	10.525	25	14.925	50

Multiplicand. per differentia  
secundae, abscissis quatuor  
figuris ultimis.

*Correctio Excessus Tabulati inventi.*

Partes, sive excessus marginales datas tolle ex 10, vel 100, quales scilicet partes unius decimalis desideras: reliquū per partes ipsas multiplica: facti semis erit pro *Æquante*; quem aliter ex Tabella *Æquantium* excipere poteris. Tum quære quartum proportionalem tabulatum, sicut fieri solet; nempe,

1 : partes :: Differentia prima : Excessus.

Quem sic corrige.

Multiplica *Æquantem* per semiaggregatum differentiarū secundarū utrinque proximarū (abscissis prius per lineam seperatricem bis totidem figuris, quot sunt circuli post 1. in denominatore partium:) & numerus integer inde factus, erit *Prosthaphæresis* numeri tabulati quæsitī, addenda, si differentię decrescant; vel auferenda, si crescant.

Sed si partes marginales quærantur; numerum illum factum divides per differentiam primam: Et per quotum fiat inventarum partium correctio; auferendo ipsum, si differentię decrescant; vel addendo, si crescant.

Si differentiarum secundarum semisumma non excedat 12, numeri tabulati vix indigebunt correctione. In numeris autem marginalibus pars proportionalis rarissimè correctionem postulabit, licet differentiarū secundarū semisumma superat 1000.

*Exemplum.* Quæritur arcus Tangentis 11.9164325 ad partes centessimas unius decimalis, sive ad partes decies millesimas unius gradus.

In

In Canone Tangentes utrinq; proximæ sunt hæ :

89 31 11.9192525	62496	0913	0899 + dimid.
89 30 11.9130030		0886	

Differentia Tangentis minoris à data est 34295.

Dic: 62496 : 34295 :: 1 : 0549- quæ partes sunt decies millesimæ adjungendæ ad gr. 89|30. Et quia sunt justo paulo minores, corrigentur sic: Per 123715 æquantem congruam partibus 0549 inventis multiplicetur 0899 semilumma differentiarum secundarū, Factus 111, divisus per 62496, quotum dabit 0001+ addendum ipsis 0549-, sic emerget arcus Gr. 89|3055, quæsitus.

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**F I N I S.**

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